Appendix F

Hazardous Materials Investigation Reports

Phase I Environmental Site Assessment

Veterans Memorial Park
6364 Zindell Avenue
Commerce, California 90040

Assessor's Parcel Numbers (APNs):
6357-018-900
6357-019-904

Comstock Gage, LLC
1801 Century Park East, Suite 1095
Los Angeles, California 90067
(310) 444-5550

SCS ENGINEERS

Project No. 01219180.00 Task 3 | October 28, 2019

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806
(562) 426-9544

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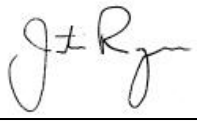
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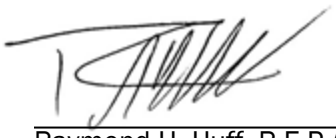
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This Phase I Environmental Site Assessment Report for the Veterans Memorial Park site located at 6364 Zindell Avenue in Commerce, California, dated October 28, 2019, was prepared by Justin Rauzon and reviewed by Ray Huff and Julio Nuno.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. The resumes for the individuals below are included in **Appendix G**. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Justin Rauzon, R.E.P.A.
Project Manager
SCS ENGINEERS



Raymond H. Huff, R.E.P.A.
Technical Advisor
SCS ENGINEERS

EXECUTIVE SUMMARY

SCS Engineers (SCS) was retained by Comstock Gage, LLC to prepare a Phase I Environmental Site Assessment (Phase I ESA) of the Veterans Memorial Park site located at 6364 Zindell Avenue, Commerce, California (the "Property"). This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries, and in general conformance with ASTM E1527-13.

The Property is located at the southern terminus of Zindell Avenue, immediately to the north of the Rio Hondo bike path and a portion of the Rio Hondo Percolation Basin. It covers approximately 9.4 acres that are developed as Veterans Memorial Park (Park). The Park comprises a Class-A baseball stadium with seating for roughly 2,000 spectators; tennis, basketball, and handball courts; a recreational water feature; landscaped picnic and barbecue areas; a children's playground; a community center building; two mobile community center buildings; and asphalt-paved parking areas.

The Property was undeveloped or agricultural land from at least 1896 through 1940. Between 1941 and 1954, at least four entities conducted landfilling operations on the Property. By 1963, the landfills were capped with a layer of fill soil and a vegetative cover. The Property was redeveloped into its current configuration (a City Park with a baseball field, parking areas, and a recreation center) by 1972. The past presence of a landfill(s) on the Property constitutes a recognized environmental condition (REC).

With the exception of common janitorial cleaning supplies inside the closed community center building, hazardous substances and wastes were not observed at the Property during the site inspection. Significant cracks in asphalt parking lots indicated differential settlement from underlying landfilled materials. No distressed, discolored, or stained vegetation was observed. Groundwater monitoring wells and gas monitoring probes associated with investigation of the former landfill(s) were noted on and near the Property.

Several previous investigations have been conducted at the Property and immediately surrounding area. A 1963 foundation investigation conducted prior to the development of Veterans Memorial Park identified landfilled waste to a maximum depth of 28 feet. Fill consisted of uncompacted soil, municipal trash, organic materials, wood, concrete, tire casings, metal, rubber gaskets, glass, brick, wire, tile, etc. Landfilled material was removed from an approximately 1 acre area at the northwestern portion of the Property, where the community center building was constructed. Solid Waste Assessment Test (SWAT) investigations of groundwater and air conducted in the early 1990s documented the multiple landfill operators that took waste onto the Property between 1941 and 1954. While they were generally permitted to receive only non-hazardous municipal solid waste or inert wastes, regulatory records from the period of landfilling noted that operators were cited for receiving oil sludge and other suspected hazardous substances. Record reviews indicate that construction activities at the adjoining Rio Hondo Percolation Basin slope immediately to the south of the Property noted stained soils (beneath what would now include the Rio Hondo bike path).

The air SWAT investigation identified landfill gas (LFG) methane and volatile organic compounds (VOCs), including chlorinated solvents, in soil gas within the landfilled material and, to a lesser extent, at gas probes located around the perimeter of the Property. Given the presence of landfills on adjoining sites as well, the presence of these compounds cannot be exclusively attributed to the Property. The groundwater SWAT reportedly did not identify halogenated or aromatic hydrocarbons in groundwater samples collected at the Property. Metals concentrations in groundwater were reportedly below California drinking water Maximum Contaminant Levels (MCLs). SCS was not able

to compare the raw data from the groundwater SWAT to current standards because the copy of the report provided did not include tabulated data, figures, or laboratory reports. Sampling of soil pore water from one lysimeter location had detections of VOCs. More recent sampling has identified methane and VOCs in soil gas, as well as total petroleum hydrocarbons (TPH), lead, and semi-volatile organic compounds (SVOCs) in soil/waste at the Property. As noted above, the historical landfills that operated on the Property are considered a REC. The extent of landfill impacts to soil, groundwater, and soil gas have not been defined.

A shooting range operated in the basement of the community center building from the 1970s until 2009. That shooting range closed in 2009 due to reported testing that indicated the presence of lead dust nearby, originating from the range's HVAC system. City contacts recalled that lead testing had been done in the backyards of residences adjoining the Property to the west. According to a 2016 request for proposal to conduct abatement work, in addition to the shooting range itself, approximately 1,300 square feet of side yard at the west side of the community center and other interior areas of the building would require abatement of lead dust.

The abatement work was reportedly completed in 2017. SCS requested that the City of Commerce provide copies of any reports related to lead testing at the Property or adjoining sites as well as a final abatement clearance report, but these have not been provided to date. The inability to obtain these reports is considered a data gap. The potential for aerially distributed lead from the HVAC system is considered a REC.

With the exception of the onsite and nearby landfills, regulatory database information identified few known and suspected contamination sites in the area surrounding the Property. The case status for a few leaking underground storage tank (LUST) case files on adjoining and nearby sites were all listed as closed. Based on the available information, including both their relative location and case status, these LUST cases are not anticipated to have negatively affected the environmental condition of the Property. The nearby landfills are also considered RECs because of the likelihood that they have contributed to regional environmental conditions affecting the Property.

Conclusions

In summary, SCS performed a Phase I Environmental Site Assessment of the Veterans Memorial Park site located at 6364 Zindell Avenue in Commerce, California, in conformance with the scope and limitations of 40 CFR 312 and ASTM E1527-13. Any exceptions to, or deletions from, this practice are described in Section 5 of this report.

In the opinion of the Environmental Professionals conducting this assessment, this assessment has revealed recognized environmental conditions in connection with the Property, as discussed above.

Data Gaps

The following data gaps were identified:

As noted above, SCS requested that the City of Commerce provide previous investigations and abatement documents related to the former shooting range located in the basement of the closed community center building. Site contacts reported that soil sampling was conducted around 2010 in the backyards of residences west of the community center building, in the direction where the emissions from the shooting range's HVAC system was directed. Abatement work was reportedly conducted in 2017. While the site inspection indicated that abatement work was performed, copies of these reports were not provided. This constitutes a significant data gap.

Copies of the reports provided to SCS were incomplete. In some cases, they did not include figures, tables, laboratory reports, or other appendices. The available information was sufficient to evaluate potential releases at the Property, but was not sufficient, in some cases, to compare to current regulatory standards. In general, this is not considered a significant data gap.

1 INTRODUCTION

SCS Engineers (SCS) was retained by Comstock Gage, LLC (the "User") to prepare a Phase I Environmental Site Assessment (Phase I ESA) of the Veterans Memorial Park site located at 6364 Zindell Avenue, Commerce, California (the "Property"). A location map for the Property is presented as **Figure 1** in **Appendix A**. This assessment was performed in conformance with 40 CFR 312, Standards for Conducting All Appropriate Inquiries (AAI), and in general conformance with ASTM E1527-13.

2 PURPOSE

This Phase I ESA is intended to constitute appropriate inquiry into the previous ownership and uses of the Property, as required to support the assertion of the innocent landowner, contiguous property owner, and/or bona fide prospective purchaser defenses to liability (collectively the landowner liability protections, or LLPs) under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA a.k.a. Superfund), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and the Small Business Liability Relief and Brownfields Revitalization Act of 2002.

The purpose of this investigation was to identify conditions indicative of releases or threatened releases of hazardous substances as defined in CERCLA Section 101, and petroleum products, on, at, in, or to the Property.

If known or suspected contamination is identified, Users seeking to maintain LLPs have responsibilities in addition to completion of an AAI-compliant Phase I ESA. These "continuing obligations" include taking "appropriate care" and "reasonable steps" with respect to known or suspected releases of hazardous substances during the term of property ownership. In addition to these requirements under federal law, there are different requirements under state law with respect to liability protections. On request, SCS can provide support for clients with continuing obligations, as appropriate.

3 SCOPE OF SERVICES

This Phase I ESA is based on:

- Interviews with past and/or present owners, operators, and/or occupants of the Property.
- Reviews of federal, tribal, state, and local government records.
- Visual inspections of the Property and adjoining properties performed on September 19, 2019.
- Review of historical Property use information (topographic maps, aerial photographs, fire insurance maps, existing reports, etc.).
- Commonly known or reasonably ascertainable information about the Property (e.g., interviews with appropriate regulatory agency personnel and review of agency files review of available documents, interviews with other knowledgeable persons).
- Degree of obviousness of the presence or likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation.
- Information provided as a result of the additional inquiries conducted by the User.

4 SPECIAL TERMS AND CONDITIONS

This Phase I ESA for the Veterans Memorial Park site, located in Commerce, California, has been prepared specifically for Comstock Gage, LLC. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein.

No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content, or information embedded therein. Third parties use this report at their own risk. Third party reliance letters may be issued on request to SCS subject to approval of Comstock Realty Partners and payment to SCS of a fee for such letters.

5 LIMITATIONS AND ASSUMPTIONS

The investigation focuses on releases and threatened releases of hazardous substances or petroleum products that could be considered a recognized environmental condition (REC) and/or a liability due to their possible presence in significant concentrations (e.g., above acceptable limits set by the federal or state government) or due to the potential for contaminant migration through exposure pathways (e.g., soil vapor migration or groundwater ingestion). Materials that may contain substances which are not currently deemed hazardous by the United States Environmental Protection Agency (EPA) or California Environmental Protection Agency (CalEPA) were not considered as part of this study.

Unless specifically included in our scope of services, formal surveys for asbestos-containing materials, lead-based paints, fire safety, vapor intrusion, indoor air quality, mold, and similar matters were not part of this assessment. The Property was not evaluated for compliance with land use, zoning, wetlands, or similar laws. This report is not intended to be an environmental compliance audit.

Hazardous substances naturally occurring in plants, soils, and rocks (e.g., heavy metals, naturally occurring asbestos, or radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt, etc.) is not considered to be of concern unless observations suggest that hazardous substances are likely to be present in significant concentrations.

Sampling and laboratory analyses of soil, water, air, building materials, or other media, were not performed as part of this investigation. Positive identification of hazardous substances can only be accomplished through sampling and appropriate laboratory analysis.

SCS Engineers assumes no responsibility for the accuracy of information obtained from, compiled by, or provided by third-party sources, such as regulatory agency listings. Unless obviously inaccurate or if information exists to the contrary, SCS Engineers assumes that information collected during this environmental site assessment is accurate and correct. Unless warranted, information collected has not been independently validated as part of this assessment.

The following information is the responsibility of the User (40 CFR 312.22) and is not included in this Phase I ESA:

- Specialized knowledge or experience of the User.

- The relationship of the purchase price to the fair market value of the Property. The purchaser of a Property is required to consider whether any differential between the purchase price and the fair market value of the Property is due to the presence of releases or potential releases of hazardous substances at the Property.

Certain other limitations could affect the accuracy and completeness of this report, as follows:

- Site Access Limitations – None.
- Physical Obstructions to Observations – None.
- Outstanding Information Requests – SCS requested that the City of Commerce provide previous investigations and abatement documents related to the former shooting range located in the basement of the closed community center building. Site contacts reported that soil sampling was conducted around 2010 in the backyards of residences west of the community center building, in the direction where the emissions from the shooting range's HVAC system was directed. Abatement work was reportedly conducted in 2017. While the site inspection indicated that abatement work was performed, copies of these reports were not provided.
- Historical Data Sources Failure – Copies of some of the reports provided to SCS were incomplete. In some cases, they did not include figures, tables, laboratory reports, or other appendices.
- Other Limitations – None.

6 GENERAL SITE CHARACTERISTICS

SITE LOCATION

The Property is located at the southern terminus of Zindell Avenue, immediately to the north of the Rio Hondo bike path and a Rio Hondo flood control basin. It has been assigned assessor's parcel numbers (APNs) 6357-018-900 and 6357-019-904. An APN map is provided as **Figure 2** in **Appendix A**.

GENERAL SITE DESCRIPTION

The Property covers approximately 9.4 acres that are developed with the Veterans Memorial Park. The Park comprises a Class-A baseball stadium with seating for roughly 2,000 spectators; tennis, basketball, and handball courts; a recreational water feature; landscaped picnic and barbecue areas; a children's playground; a closed community center building; two mobile community center buildings; and asphalt-paved parking areas.

ADJOINING PROPERTY USE

- North – Single-family residences (6355 to 6359 Zindell Avenue and 7168 to 7182 Kuhl Drive) adjoin the western side of the Property to the north. Escon Corporation, a residential door wholesale business, adjoins the eastern side of the Property to the north (7222 East Gage Avenue).
- South – The Rio Hondo Bike Path and a portion of the Rio Hondo Percolation Basin adjoin the Property immediately to the south. The concrete channelized Rio Hondo is located further to the south, with single-family residences beyond the river.

- East – Undeveloped land and remnants of a rail spur adjoin the Property to the east (7316 East Gage Avenue). The former Gage Avenue Landfill operated on the Property and this site to the east between 1950 and 1954.
- West – A City of Commerce-owned easement with a landfill gas (LFG) monitoring and control system adjoins the Property immediately to the west. Single-family residences in the Vista del Rio residential community are located just beyond the easement (6347 to 6359 Avenida Aguascalientes).

7 PHYSICAL SETTING

PHYSIOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), South Gate, California 7.5-minute topographic maps, the Property is located at the southern edge of the Montebello Plain physiographic feature within the Los Angeles Basin's Coastal Plain. It is situated at an elevation of approximately 150 feet above mean sea level. There is a slight regional slope to the southwest. Site topography slopes from the east to the west, with the western end approximately 5 to 6 feet lower in elevation than the eastern edge. The Property is situated to the north of the Rio Hondo and one of its percolation basins.

GEOLOGY AND SOILS

The Property overlies late Pleistocene-age sediments of the Lakewood Formation. The Lakewood Formation is described as being sedimentary in origin and consists of marine and continental gravel, sand, silty sand, silt, and clays. According to the Dibblee Geologic Map of the Los Angeles Quadrangle (1989), the Property is underlain by Quaternary alluvium consisting of unconsolidated floodplain deposits of silt, sand, and gravel. The alluvium is composed of alternating beds of medium-dense to dense sand, clay, and silt (DWR, 1961).

According to soil boring logs from a 2004 geotechnical investigation by Sladden Engineering at the adjoining site to the east, the soil (up to 80.5 feet bgs) underlying the eastern parcel of the Gage Dump consists of silty sand, sandy silt, and fine-to coarse-grained alluvial sand with gravel (Sladden 2004). Groundwater was not encountered during the Sladden Engineering investigation. Borings drilled at the Property (LeRoy Crandall & Assoc., 1963) found predominantly fine-grained sand with some silty sand, clayey silt, silty clay, and clay layers below the waste. Borings were drilled to a maximum depth of 80.5 feet below ground surface (bgs) and did not encounter groundwater.

GROUNDWATER

According to information reviewed on the State Water Resources Control Board (SWRCB) GeoTracker website for nearby sites, the Property is located in the Central Basin of the Water Replenishment District of Southern California. The Property overlies the Bellflower aquiclude, the Exposition aquifer, and the Gage aquifer within the Lakewood formation. The Rio Hondo Spreading Grounds are located approximately 1.1 miles to the north-northeast of the Property and are a source of regional groundwater recharge. Past investigations at the nearby Mobil Service Station (7724 Telegraph Road, GeoTracker ID: T0603700984) showed the depth to groundwater to be between 87 and 112 feet bgs. Based on proximity, groundwater at the Property likely occurs at a similar depth. Based on surface topography and a review of previous investigations for nearby sites, typical groundwater flow is likely to the west. Flow direction and velocity may be influenced by groundwater recharge from the Rio Hondo.

RADON

According to the California Department of Public Health's February 2016 Radon Program report, screening in the area of the Property (90040 [and nearby 90201] zip codes) found no locations (out of 6) where buildings had radon levels greater than or equal to 4 picocuries per liter (pCi/L), the EPA action level. Radon was not detected in one sample at the Property's zip code. The maximum radon result for the adjoining 90201 zip code was 1.1 pCi/L. The alluvial geology of the Commerce area is not normally associated with elevated radon levels. Note that elevated radon levels may also be attributed to other sources such as leaking natural gas or numerous building products such as drywall, cinderblock, concrete floors, brick, or stone products. Based on the available information, elevated radon gas is not expected in the area of the Property.

8 SITE INSPECTION

Justin Rauzon of SCS conducted an inspection of the Property and surrounding area on September 19, 2019. An aerial photo of the Property identifying photo locations and photographs of the Property are provided in **Appendix B**.

Access to the Property was provided by Mr. Joseph Palombi, the Acting Deputy Director of Development Services for the City of Commerce and Ms. Sonia Griego, an Associate Planner with the City of Commerce Public Works & Development Services Department.

The site inspection began with a tour of the closed community center building located at the northwestern portion of the Property. This recreation building is formally associated with the address 6364 Zindell Avenue. According to Mr. Palombi and Ms. Griego this building was closed to the public in 2010 due to structural issues related to the building foundation. The main level of the building contains an indoor basketball court, racquetball/handball courts, restrooms, and offices. Former office space and a small machine room that previously housed air conditioning and water heater equipment was also located upstairs at the northern part of the building.

The building has two underground levels. The first housed a dance room, additional community center meeting rooms, storage cages, and a kitchen. A small emergency generator (no associated fuel tank) was observed inside one of the storage areas. The basement level formerly housed a shooting range. The interior of the shooting range had largely been gutted at the time of the site visit. The area had concrete floors and walls. Two air extraction vents were observed on the western wall of the shooting range. At least eight patched 4-inch concrete cores were noted on the floor of the shooting range along with one capped floor drain. A sump and related pumps were located inside a room at the eastern side of the basement level. Two tennis/basketball courts and handball courts were observed outside the southern side of the community center building.

Park operations are currently managed out of two mobile trailers located near the entrance at the north-central portion of the Property. Asphalt-paved parking lots and a paved driveway are located on the Property's northern side. A canopy-covered playground, non-operating splash park, and grassy areas with picnic tables and barbecue areas are located on the southwestern portion of the Property. A restroom/snack bar building is situated at the center of this outdoor recreation area.

The baseball field is located at the southeastern portion of the Property. Small locker rooms, each with hot water tanks and showers, were noted behind the two dugouts. A small maintenance building is located to the north of the baseball field. Lawnmowers and other equipment used in baseball field maintenance are stored in an outdoor cage next to this building. One small room of

the building could not be accessed at the time of the visit, but the site representatives stated that it had a maintenance office.

HAZARDOUS SUBSTANCES

With the exception of common janitorial cleaning supplies inside the closed community center building, hazardous substances and wastes were not observed at the Property. No obvious indications of fuel storage was noted at the baseball equipment maintenance area.

Waste fluorescent light bulbs (a universal waste) were observed inside a cage on the first underground floor of the recreation building.

NATURAL DRAINAGE

Natural waterways are not currently located on the Property. Runoff from the Property infiltrates into the ground at unpaved park areas or flows overland to the adjoining streets to the north and west. A few stormwater drains were located in the parking areas.

DISTURBED AREAS

Significant cracks in asphalt parking lots indicated differential settling in underlying landfilled materials. No distressed, discolored, or stained vegetation was observed on the Property. Patched asphalt indicative of former borings were noted at a few locations in the northern parking lot areas.

ELEVATORS AND OTHER HYDRAULIC EQUIPMENT

One hydraulic elevator is located inside the closed community center building. The reservoir oil tank associated with the elevator is located in a room in the basement level of the building and was observed to be in good condition (no evidence of spills or leaks from hoses).

WELLS

Groundwater monitoring wells and gas monitoring probes associated with the closed Gage Avenue Landfill were noted on and near the Property. Five raised well monuments were identified, one near the entrance on the north-central portion of the Property and four along its southern edge. Two flush-mounted gas monitoring probe locations were observed, one in the Zindell Avenue cul-de-sac just outside the Property entrance and one on the southern side of the maintenance building at the northeastern portion of the Property. Additional monitoring wells and gas probes are located on adjoining and nearby sites.

ELECTRICAL EQUIPMENT

An enclosed Southern California Edison (SCE) outbuilding is located on the north-central portion of the building. Although the structure was locked, it had signs indicating high voltage, implying the likely presence of electrical transformer equipment inside. SCE has stated that they have never specified the purchase of distribution transformers utilizing polychlorinated biphenyls (PCBs) as the insulating/cooling fluid. SCE transformers utilize mineral oil exclusively. In a statistically valid test of over 20,000 SCE distribution transformers, SCE determined that the concentrations of PCBs in the mineral oils was less than 50 parts per million (ppm) in over 96 percent of the units. Based on the available information, no significant environmental impact to the Property is anticipated from the on-site SCS equipment.

WASTEWATER

Industrial wastewaters are not generated at the Property. Sanitary wastewater is discharged to the municipal sanitary sewer.

DRINKING WATER

Drinking water is supplied to the Property by the California Water Service Company. All large public water suppliers in California have been required to test their water and comply with federal and state drinking water standards since the mid-1980s. Consequently, lead and other contaminants of concern are not expected to be present above applicable primary and secondary drinking water standards.

STORAGE TANKS

No evidence (fill ports, vent lines, or dispensers) of underground storage tanks (USTs) was observed on the Property. No aboveground storage tanks (ASTs) were observed on the Property.

VISUAL INSPECTION OF ADJOINING SITES

With the exception of the known former landfill on the adjoining site to the east, no obvious evidence of a REC or indications of contamination (e.g. remediation equipment, staining, USTs, etc.), were observed on adjoining sites during the site inspection.

9 INTERVIEWS

SCS interviewed Mr. Palombi and Ms. Griego of the City of Commerce during the site inspection. They provided general information about current and historical operations at the Property. Information they provided is discussed in the appropriate section of this report.

10 SITE HISTORY

Site history was evaluated from the following sources:

- Historical U.S. Geological Survey (USGS) topographic maps provided by Environmental Data Resources (EDR) (September 9, 2019).
- Historical aerial photographs provided by EDR (September 9, 2019).
- A search was made of EDR-Sanborn collection and no maps of the Property were found (September 9, 2019).
- A City Directory review report provided by EDR (September 9, 2019).
- Previous environmental reports (discussed further in Section 11).

Copies of topographic maps, historical aerial photographs, and city directories are included in Appendix C.

Year	Description	Source
1896 to 1902	The Property was undeveloped land located immediately to the north of the Rio Hondo. Roads and an intersection adjoined the Property immediately to the east and one small structure was located to the north of the Property.	Topographic maps
1923	The Property was undeveloped land to the north of the Rio Hondo and south and approximately 600 feet south-southeast of Gage Road. The future Zindell Avenue existed as a dirt road north of the Property. A few small structures bordered the western side of the Property to the north. The areas to the west, east, and south of the adjoining river were undeveloped.	Topographic map
1925	No significant changes from the 1923 topographic map were noted on the Property or adjoining sites.	Topographic map
1928	The western side of the Property was cultivated agricultural land and the eastern side was undeveloped and covered with native vegetation, with the exception of a small bare patch and a pathway leading east. Agricultural land adjoined the Property to the north, west, and across the river to the south. Undeveloped land was located to the east.	Aerial photo
1936	No significant changes from the 1925 topographic map were noted on the Property. The small structures previously shown to the north were no longer depicted.	Topographic map
1938	With the exception of some trees in the center and along the northern edge, the Property was agricultural land. The southern edge of the Property appeared to include a portion of the unchannelized Rio Hondo. The area to the east was also agricultural. Otherwise, no significant changes from the 1928 aerial photo were noted on the adjoining sites.	Aerial photo
1941 to 1948	The western half of the Property operated as the Fletcher Dump from 1941 to 1944, then as the Doris Haney Johnes Dump from 1945 to 1948.	Previous environmental reports

Year	Description	Source
1942 and 1943	The Property remained undeveloped land. Three structures and new roads appeared to the northwest of the Property. High-tension electrical lines and dirt roads appeared to be located across the river to the south.	Topographic map
1947	The eastern side was agricultural land. The western side of the Property was no longer agricultural and the surface was disturbed, possibly with waste disposal activities associated with historical on-site landfills. There may have been sand and gravel mining operations in the Rio Hondo to the south, with a road extending up onto the western side of the Property. New residences were developed to the north of the western side of the Property. Agricultural areas still adjoined the Property to the northeast, east, and across the river to the south; the area immediately to the west was also disturbed, likely due to landfilling operations.	Aerial photo and Topographic map
1949	No significant changes were noted on the Property from the 1947 topographic map. A levee was constructed on the southern side of the Rio Hondo and areas to the northwest and northeast were depicted as part of the general urban footprint.	Topographic map
1950 to 1954	The eastern half of the Property and the adjoining site to the east operated as the Gage Avenue Landfill. The western half of the Property (previously the Fletcher and Doris Haney Johnes Dumps) operated as extensions of the Salvage Corp. landfill (principally located to the west of the Property).	Previous environmental reports
1952	The western half of the Property was undeveloped. Active landfill operations were visible on the eastern side of the Property and adjoining area to the east. Former agricultural areas to the north-northeast and west were undeveloped. The area immediately beyond the river levee to the south was still agricultural, with residential development further to the south.	Aerial photo and Topographic map

Year	Description	Source
1960	International Paper Co. was listed as the occupant of the industrial building east of the Property (7316 East Gage Avenue).	City directories
1963	The landfill on the Property was no longer active and it had a vegetative cover. The vegetative cover appearance showed that landfilling extended onto the western side of the Property. The Rio Hondo was channelized with concrete to the south, leaving a flood control basin between the Property and the channelized river. The area immediately to the west was developed with a single building and exterior truck parking areas (6370 Greenwood Avenue). A new building was also developed atop the landfill on the adjoining site to the east, along with a rail spur. New industrial buildings were under construction to the north of the eastern side of the Property. There were no longer agricultural areas to the south.	Aerial photo
1964	No significant changes were noted on the Property. The new river channel/flood control basin and adjoining buildings described above were depicted on the adjoining sites not already depicted as urban footprint. Aloha Luau, Jan-U-Wine Foods Inc., and Oriental Foods Inc. were listed at 7272 East Gage Avenue, north of the Property.	City directories and Topographic map
1972	The Property was developed in its current configuration with a ballpark and stadium seating, recreation and parking areas, and a community center building (northwestern corner). The industrial building to the west was expanded and construction on the adjoining buildings to the north was completed (7222 East Gage Avenue).	Aerial photo and Topographic map
1976	Alleluia Cushion Co. Inc. was listed as the occupant of the industrial building to the east (7316 Gage Avenue).	City directories
1977	No significant changes were noted on the Property. Additional outdoor parking and equipment was present on the adjoining industrial site to the east.	Aerial photo
1981	No significant changes from the 1977 topographic map were noted on the Property or adjoining sites.	Topographic map

Year	Description	Source
1983	No significant changes from the 1977 aerial photo were noted on the Property or adjoining sites.	Aerial photo
1989	No significant changes from the 1983 aerial photo were noted on the Property. The industrial buildings to the west and east no longer appeared to be occupied (no exterior vehicle or equipment parking). Some industrial buildings to the north were removed and replaced with a V-shaped hotel building and a restaurant (7268 and 7272 East Gage Avenue).	Aerial photo
1990	Langendorf-Barbara Ann Bakeries was listed at 7222 East Gage Avenue, north of the Property.	City directories
1994	No significant changes from the 1989 aerial photo were noted on the Property. The industrial building and rail spur were removed from the adjoining site to the east. The industrial building and associated parking areas were also removed from the site to the west.	Aerial photo
1999	Escon Corp and BHS Incorporated were listed at 7222 East Gage Avenue, north of the Property. Alexander's Restaurant and the Ramada Inn were listed at 7272 East Gage Avenue.	City directories
2000	Private individuals and a church were listed at addresses along Kuhl Drive to the north of the Property.	City directories
2002	No significant changes from the 1994 aerial photo were noted on the Property. New single-family residences were developed to the west. Otherwise, no changes were noted on adjoining sites.	Aerial photo
2005	No significant changes from the 2002 aerial photo were noted on the Property or adjoining sites.	Aerial photo
2006	Private individuals were listed at residences along Avenida Aguascalientes, adjoining the Property to the west. Denny's Restaurant occupied 7268 East Gage Avenue, north of the Property.	City directories
2009	No significant changes from the 2005 aerial photo were noted on the Property or adjoining sites.	Aerial photo

Year	Description	Source
2010	City of Commerce was listed as the occupant of the Property (6364 Zindell Avenue).	City directories
2012	The 2012 topographic map does not include site-specific details. No significant changes from the 1981 topographic map or 2009 aerial photo were noted on the Property or adjoining sites.	Aerial photo and Topographic map
2014	City of Commerce was listed as the occupant of the Property (6364 Zindell Avenue).	City directories
2016	No significant changes from the 2012 aerial photo were noted on the Property or adjoining sites.	Aerial photo

HISTORICAL USE SUMMARY

The Property was undeveloped or agricultural land from at least 1896 through 1940. Between 1941 and 1954, at least four entities (plus a possible fifth unpermitted one) conducted landfilling operations on the Property. By 1963, the landfills were capped with a layer of fill soil and a vegetative cover. The Property was redeveloped into its current configuration with a baseball field, City Park, parking areas, and a recreation center by 1972.

The past presence of the landfill operations at the Property constitutes a REC.

The existence of past agricultural activities on the Property and in adjacent areas indicates a potential for pesticide and/or heavy metal (associated with dusting powders) contamination. In SCS's experience, it is not uncommon to find trace levels of pesticides in soils at former agricultural areas in Southern California. However, these trace concentrations are rarely cause for environmental concern. It is our opinion that, without specific evidence of pesticide storage or mismanagement on the Property, past use for agricultural purposes is considered a *de minimis* condition and collection and analysis of soil samples for pesticides is unwarranted.

HISTORICAL USE OF ADJOINING SITES

The Rio Hondo and associated flood control basins adjoin the Property immediately to the south. With the exception of a few small, rural structures, the surrounding area was also largely undeveloped or agricultural land from at least 1896 to 1940. A high-tension electrical line was installed to the south of the Rio Hondo around 1942. Single-family residences were developed to the northwest in the mid-1940s. A levee and residences were developed on the south side of the Rio Hondo in the late 1940s and early 1950s.

Salvage Corp. operated a landfill to the west of the Property between 1948 and 1954. After 1948, this landfill operator assumed operations of the landfill on the western side of the Property. The former Gage Avenue Landfill operated (on the Property) and on the adjoining site to the east between 1950 and 1954. Industrial buildings were constructed to the east over landfilled material (International Paper Co.), to the west (a freight business), and to the north in the 1960s. Additional restaurants and commercial stores were added to the north in the mid-1960s. The freight business was expanded to the west in the 1970s. Alleluia Cushion Co. occupied the industrial building to the

east in 1976. This building was serviced by a rail spur located near the edge of the Property. Some smaller buildings were replaced by a hotel and a restaurant around 1989. The industrial building to the east was condemned and demolished in the early 1990s. A bakery occupied the industrial building to the north in 1990. The bakery was replaced by a wholesale residential door company by 1999. New residences were developed to the west of the Property, replacing the former freight business in the mid-2000s. Additional information about the adjoining landfills is provided in Section 11.

11 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

In order to identify commonly known or reasonably ascertainable information about the Property, SCS attempted to review previous environmental reports and various regulatory agency files and interviewed regulatory agency personnel. The following information was identified.

PREVIOUS ENVIRONMENTAL REPORTS

The following previous environmental reports related to the Property were reviewed:

- LeRoy Crandall & Associates, November 29, 1963. *Report of Foundation Investigation: Proposed Southeast Park Recreational Facilities, Zindell Street, Commerce, California*.
- Converse Environmental West (Converse), March 15, 1990. *Final Report for Solid Waste Air Quality Assessment Testing at the City of Commerce's Veterans Park, 7316 Gage Avenue, City of Commerce, CA 90040*.
- Converse, February 27, 1991. *Results of SWAT Groundwater Quality Testing: Veterans Memorial Park, 6364 Zindell Avenue, Commerce, California*.
- Converse, April 12, 1991. *Presentation of Document Assessment: Watkins Truck Terminal, 6370 Greenwood Avenue, Bell Gardens, California*.
- Ninyo & Moore, August 21, 2015. *Landfill Gas Investigation: Gage Avenue Dump and Vicinity, 7316 Gage Avenue and 6364 Zindell Avenue, SWIS No. 19-AA-5543, and Other Waste Disposal Sites, Commerce and Bell Gardens, California*.
- City of Commerce, October 5, 2016. *City of Commerce Request for Proposal (RFP): Industrial Hygienist Abatement Oversight Professional Services for C.I.P. No. 2016-12, Veterans Park Building, Shooting Range Lead Abatement/Demolition*.

LeRoy Crandall & Associates

This 1963 foundation investigation report was prepared on behalf of the City of Commerce prior to the development of Veterans Memorial Park. Thirteen borings were drilled to a maximum depth of 50 feet bgs on the Property, 11 on the western side of the Property and two borings on the eastern side. The report indicated the presence of fill between 11 and 28 feet in depth. Fill consisted of uncompacted soil with large amounts of trash and debris, including organic materials, wood, concrete, tire casings, metal, rubber gaskets, glass, brick, wire, tile, etc. The report concluded that the most satisfactory means of supporting proposed park structures (pavilions, bleachers, community building, etc.) would be to remove and replace the existing fill with properly compacted earth fill, but that drilled pipings could be another option. Landfilled material was removed from an approximately 1 acre area at the northwestern portion of the Property, where the community center building was constructed.

Converse

Converse prepared the Solid Waste Assessment Test (SWAT) for air and groundwater on behalf of the City of Commerce. At least four permitted waste disposal sites and possibly one unpermitted disposal site operated at and immediately adjacent to the Property (Veterans Memorial Park) between 1941 and 1954. These disposal sites were contiguous and/or overlapping. The earliest landfill site was the Fletcher Dump (1941 to 1944), which occupied the western half of what is now Veterans Memorial Park. Doris Haney Johnes reportedly purchased the Fletcher Dump and continued its operation from 1945 to 1948. The Gage Avenue Dump operated from 1950 to 1954 on the eastern side of the Property (the Gage Avenue Dump Western Parcel) and adjoining site to the east (7316 East Gage Avenue – Gage Avenue Dump Eastern Parcel), what is now the Comstock site. A possible fifth (unpermitted and undocumented) waste disposal site may also have been located in the area of the Gage Avenue Dump Western Parcel. The Salvage Corp. operated a disposal site to the west of the Property, beneath what is now the Vista del Rio residential area, from 1948 to 1954. This area was "clean closed" in 1993 and 1994.

For the air SWAT, Converse installed five landfill gas (LFG) sampling probes in the interior of the Property to a depth of 11 feet, approximately 6 feet below the bottom of the landfill cover. Seven probes were also installed and monitored around the perimeter of the Property. Benzene, 1,2-dichloroethane (1,2-DCA), carbon tetrachloride, tetrachloroethene (PCE), trichloroethene (TCE) and vinyl chloride were detected in LFG samples. Benzene was detected at concentrations ranging from 180 to 2,800 parts per billion (ppb), vinyl chloride between 170 and 4,300 ppb, PCE between 0.7 and 27 ppb, and TCE between 8 and 73 ppb. PCE, 1,2-DCA, TCE, and methylene chloride were also detected in ambient air samples. Methane was detected between 2.6% and 12% by volume in LFG and was not detected in ambient air. It was noted that the offsite migration of LFG might be associated with the Gage Avenue Dump to the east of the Property. When compared to current regulatory guidance, the VOC and methane present in soil gas at the Property represents a risk of vapor intrusion and constitute a REC.

The groundwater SWAT was conducted to determine whether leachate originating from the landfill beneath the Property had affected subsurface soils and/or groundwater. The document notes that the landfills at the Property were permitted to receive municipal waste and rubbish, but that Los Angeles County Health Department records indicated they had received oil field sludge and other materials that did not meet the permitted categories. Los Angeles County Health Department file memorandums noted the Fletcher Rubbish Dump had been cited in early 1943 because "considerable amounts of redwood sawdust and several thousands of gallons of acid oil sludge had been dumped into the Rio Hondo River bed. Additionally, surface pools of oil sludge were present." After the Fletcher Dump was sold, Ms. Johnes was also found to be in violation of her dump permit for accepting oil sludge and dumping in the Rio Hondo Channel right-of-way.

Converse advanced four soil borings to depths between 42 and 90 feet bgs. During the SWAT, groundwater was encountered at a depth of approximately 72 feet below grade with groundwater flow to the west-southwest. Landfilled materials reportedly included asphalt chunks, glass, brick fragments, wood, etc. Three groundwater monitoring wells (MW-1 through MW-3) and one lysimeter (LY-1) were installed. It is possible that some of the well monuments observed at the Property during the site inspection correspond to these wells (and lysimeter) installed as part of the SWAT, but the figures (and summary data tables) showing the locations were not included with the report. Halogenated and aromatic hydrocarbons were not detected in groundwater samples from the onsite wells. Metals were detected in groundwater at concentrations below the California drinking water Maximum Contaminant Levels (MCLs) – the actual results were not discussed in the report and the tables and appendices were not provided. Lysimeter sampling of soil pore water had detections of

1,1,1-trichloroethane (1,1,1-TCA), benzene, and toluene. Additional findings noted that offsite groundwater samples from wells to the west and within one mile of the Property had detections of PCE and TCE.

The Converse reports indicate that the Salvage Corp. landfill located to the west of the Property assumed dump operations from Doris Haney Johnes and this expanded landfill operated until 1953. Converse also reported that the Rio Hondo Flood Control area south of the Property (at the time described as a spreading ground) was to be used for groundwater replenishment beginning in early 1991. During sloping of earthen sidewalls along the northern portion of the flood control basin (immediately south of the Property), discolored fill soils were observed.

The April 12, 1991 Converse document primarily addresses environmental issues associated with the former Watkins Terminal area to the west of the Property, which was "clean closed" and redeveloped into the Vista del Rio residential area. It describes the presence of petroleum hydrocarbons at concentrations up to 39,100 ppm and metals (primarily copper and zinc) in test pits at the Watkins Terminal. It further indicated that "the same hydrocarbon and metals were detected in landfill material beneath the adjacent City of Commerce's Veterans Park." Converse stated that extensive testing of soils at Veterans Park had detected aromatic hydrocarbons, pesticides, and polynuclear aromatic hydrocarbons (PAHs) in landfill material. This document concluded that TCE in groundwater to the west (the Bell Gardens side) originated at the Watkins Terminal.

Ninyo & Moore

The 2015 Ninyo & Moore investigation contains a thorough summary of the historical landfills located at the Property and at nearby landfill sites, including the Converse reports discussed above. It was conducted on behalf of the California Department of Resources, Recycling, and Recovery (CalRecycle) as part of its program to investigate Closed, Illegal, and Abandoned (CIA) solid waste disposal sites.

Ninyo & Moore installed one LFG monitoring well (WLFG-1) in waste on the eastern side of the Property (immediately to the south of the baseball field maintenance building) and one LFG monitoring well (LFG-12) in the park area at the southwestern portion of the Property (yellow above-grade monument observed during the site inspection). Three additional LFG monitoring wells were located just outside the northern edge of the Property (LFG-3, LFG-4, and LFG-5). Two hand auger borings (HA-1 and HA-2) were advanced to a depth of 5 feet in centerfield of the baseball field to evaluate cover thickness.

Soil samples collected during the drilling of LFG-12 reported concentrations of total lead at 80 and 270 mg/kg, with corresponding Soluble Threshold Limit Concentrations (STLC) of 6.4 and 9.4 milligrams per liter (mg/l), respectively. These levels of soluble lead would classify the material tested as California hazardous waste for purposes of disposal.

Semi-volatile organic compounds (SVOCs) were detected in soil samples from HA-1 and HA-2 at concentrations above their respective EPA Regional Screening Levels (RSLs), including benzo(a)pyrene, dibenz(a,h)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene. SVOC concentrations in samples from WLFG-1 and LFG-12 were detected below their respective RSLs.

Total petroleum hydrocarbons (TPH) were also detected in samples from on the Property. Diesel-range TPH (TPH-d) and motor oil-range TPH (TPH-o) were detected in samples from HA-1 at 51 and 680 mg/kg, respectively. TPH-d and TPH-o were detected in waste samples from LFG-12 at

maximum concentrations of 210 and 1,800 mg/kg, respectively. Ninyo & Moore noted that the Salvage Corp. had reported receiving wastes from aircraft and several oil derrick companies.

One waste sample from LFG-12 was analyzed for organochlorine pesticides (OCPs), with one detection of 4,4'-DDD at a concentration of 0.16 mg/kg, below its respective residential and industrial RSLs. Volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) were not detected in this same sample from LFG-12.

Methane was detected at WLFG-1 at concentrations of 4.3 and 3.6 percent by volume in February and April 2015. VOCs detected in soil gas at the Property included acetone, methyl ethyl ketone (MEK), tetrahydrofuran, carbon disulfide, chlorobenzene, ethanol, ethylbenzene, heptane, isopropyl alcohol, propylene, toluene, and xylenes.

City of Commerce

The 2016 City of Commerce RFP was issued for lead and asbestos abatement and demolition work at a former shooting range located at the basement level of the community center building at the northwestern corner of the Property. That shooting range closed in 2009 due to reported testing that indicated the presence of lead dust nearby, originating from the range's HVAC system. Mr. Palombi recalled that lead testing had been done in the backyards of residences adjoining the Property to the west. The RFP indicated that, in addition to the shooting range itself, approximately 1,300 square feet of side yard at the west side of the community center and other interior areas of the building required abatement of lead dust.

The abatement work was reportedly completed in 2017. SCS requested that the City of Commerce provide copies of any reports related to lead testing at the Property or adjoining sites as well as a final abatement clearance report, but these have not been provided to date. The inability to obtain these reports is considered a data gap. The potential for aerially distributed lead from the HVAC system, both at the Property and surrounding sites, is considered a REC.

REGULATORY AGENCY RECORDS

Local regulatory agencies and other sources were contacted in an effort to identify any known or suspected contamination sites or incidents of hazardous waste storage or disposal which might have resulted in soil and/or groundwater contamination, or VOC (volatile organic compound) vapor migration to the Property. Generally, this includes records for the Property and adjacent parcels, although relevant information for other sites of possible interest in the area (up to one mile) may also be included. Within the City of Commerce, the Los Angeles County Department of Public Works (LACDPW) generally acts as the lead enforcement agency for underground storage tank compliance. If a tank has leaked and groundwater contamination is suspected, the Los Angeles Regional Water Quality Control Board (LARWQCB) generally becomes the lead agency in supervising contaminant characterization and cleanup.

California Environmental Protection Agency Files

The Property is not a listed site on the California Environmental Protection Agency (CalEPA) Regulated Site Portal website (**Appendix E**).

Los Angeles Regional Water Quality Control Board Files

The Property itself does not appear as a listed site on the RWQCB's GeoTracker website (**Appendix E**). The Gage Avenue Disposal Site – Eastern Parcel (T10000005526) does appear on the GeoTracker website. This listing is associated with the address 7316 East Gage Avenue and the status is listed as "Open – Remediation as of 6/18/2019). The listing mentions "part of the landfill extends offsite under the adjacent Veteran's Park," but nearly all of the documents pertain for this case file pertain exclusively to the adjoining Comstock site.

Several 1950s documents from the County of Los Angeles Regional Planning Commission in the file indicated that Los Angeles By-Products Co. applied for a cut and cover disposal dump and land improvements at a 13.55-acre site, which would have encompassed the entirety of the former Gage Landfill, including the eastern half of the Property. The permit for the landfill was initially denied, but it was approved on appeal. The final permit allowed for clean earth, rock, sand, gravel, concrete, brick, asphalt paving fragments, black top paving, plaster, and other solid materials not subject to the leaching action of water to be disposed of at the landfill (Industrial Waste Permit No. 80).

Department of Toxic Substances Control Files

The Property does not appear in the California Department of Toxic Substances Control (DTSC) EnviroStor website. Recent DTSC case files, if any, would be listed on this website (**Appendix E**).

South Coast Air Quality Management District Files

SCS reviewed South Coast Air Quality Management District (AQMD) files through the online Facility INformation Detail (FIND) website.

Gage Ave Sump/Veterans Park/City of Commerce (Facility IDs: 131599 and 133535) appears on the FIND website. The status for Facility ID 131599 is described as a "duplicate" and no air emissions equipment is listed. On October 29, 2009, the AQMD issued a Notice to Comply requiring that the city submit an application for a permit to operate air pollution control equipment for exhaust from the firing range (under Rule 203). No permits appear to have been granted prior to the shutting down of the shooting range in 2010.

Los Angeles County Department of Public Works

SCS searched the LACDPW Online File Review website for industrial waste, USTs, and/or stormwater permits associated with the Property and found none (**Appendix E**).

SCS also searched for the Property on the LACDPW Solid Waste Information Management System (SWIMS) online database. The Gage Avenue Dump appears on the SWIMS website under Site ID: 1939, with alternate names L.A. By Products, Sloto Golf, and Veterans Park; with alternate addresses 7326 Gage Avenue, 7272 Gage Avenue, and 7840 Telegraph Road. This landfill reportedly received inert and residential waste, with a maximum depth of fill of 29 feet bgs. The SWIMS database fact sheet for this facility references CalRecycle Permit 19-AA-5543.

The SWIMS database maps the Salvage Corp. landfill (Site ID: 2223) at a point along Kulh Drive, approximately 400 feet west of the intersection with Zindell Avenue. The Salvage Corp. landfill was described to have the alternate names Doris Haney Johnes Dump and Fletcher Dump, and to be associated with the addresses 7100 East Gage Avenue, Bell Gardens; 6370 Greenwood Avenue, Commerce; and 6361 Zindell Avenue, Commerce. The SWIMS database fact sheet for this facility

references CalRecycle Permits 19-AA-5339, 19-AA-5551, and 19-AA-5552, which do not appear as facilities in CalRecycle's SWIS database. The Salvage Corp. landfill reportedly received inert and hazardous wastes and had a maximum depth of fill of 50 feet bgs. The previous investigations conducted by Converse only identified landfilled material to depths of 28 feet bgs, which is considered more precise. The present use of the Salvage Corp. landfill is described as "residential," referring to the use of the area to the west of the Property.

CalRecycle

SCS interviewed Mr. Jeff Hacket of CalRecycle by telephone regarding potential records related to the three SWIS ID numbers for the Salvage Corp. landfill identified on the SWIMS database. He stated that CalRecycle had no records related to these sites and that all Gage Landfill records were available online through the CalRecycle website.

12 REVIEW OF FEDERAL, STATE, TRIBAL, AND LOCAL GOVERNMENT DATABASES

A database search for sites listed on various federal, state, tribal, and local databases in the area around the Property was obtained from EDR (September 9, 2019). A description of each of the databases searched is included in the report, which is attached as **Appendix F**. Among the databases included in the EDR report are NPL (federal, tribal, and state-equivalent), proposed and delisted NPL, CORRACTS (RCRA facilities subject to corrective actions), hazardous waste sites identified for investigation or remediation (SEMS [Superfund Enterprise Management System, formerly known as CERCLIS], State CERCLIS, VCP, Brownfields Calsites, etc.), LUST, sites with engineering controls, former CERCLIS (NFRAP), RCRA and state hazardous waste generators, ERNS, SWLF, USTs, and Toxic Pits.

Review of these records satisfies all requirements as set forth in 40 CFR Section 312.26 (b) and (c) with regard to the review of federal, tribal, and state government records of databases of such government records and local government records and databases of such records pertaining to both the Property and the nearby or adjoining properties. Further, the search distances for each particular database are as specified in 40 CFR 312.26 and ASTM E1527-13.

Any known or suspected contaminated sites included on these lists within 0.25 miles of the Property are discussed in the following text. As a general rule, sites beyond 0.25 miles are not anticipated to impact a site significantly. Any sites beyond 0.25 miles with a high potential to impact the Property are also discussed. (Please note: the distances and directions listed in this report have been field verified and might not always match those in the EDR report.)

Sites such as TSD facilities, hazardous waste generators, HAZNET, FINDS, SQGs, LQGs, USTs, HIST UST, RCRA violations, and TRIS facilities with toxic chemical releases (generally in accordance with permitting requirements - into the air, water, or land as reported under SARA Title III) use or store hazardous materials and thus may pose a potential problem in the event of a spill or leak. However, unless these sites also appear in an agency list of contaminated sites, there is no evidence of any problems at this time. Therefore, sites on these lists will not be discussed unless on or in close proximity to the Property.

Please refer to **Appendix F** for further information on these sites.

PROPERTY LISTINGS

The City of Commerce Veterans Park (6364 Zindell Avenue) appears in the HAZNET and RCRA NonGen/NLR databases as a facility that generated asbestos containing waste, unspecified aqueous solution, and other inorganic solids between 2008 and 2017. This database listing contains no indications of chemical releases or violations. The Park also appears in the FINDS and ECHO databases, with no records of RCRA compliance violations (**Appendix F**).

Alley Way Abatements (6364 Zindell Avenue) also appears in the HAZNET database as a generator of other organic solid waste in 2010.

ADJACENT SITE LISTINGS

The following adjoining sites located adjacent to the Property were listed in the EDR database report:

Slotkin Properties/Gage Avenue Dump, 7316 and 7326 East Gage Avenue (adjacent to the east) – CPS-SLIC, Los Angeles Co. HMS, CERS, SWF/LF, LUST, SWEEPS UST, ENF, HIST CORTESE, NPDES, CIWQS, LOS ANGELES CO LF METHANE, and WMUDS/SWAT – As discussed above, the former Gage Avenue Landfill was primarily located on this site to the east, but also extended onto the Property. Comstock currently owns this undeveloped site, which is expected to be part of the larger redevelopment that includes the Property. Based on a review of information on GeoTracker (T0603704219), a leaking UST (LUST) case at this site was opened in August 1997 and closed on March 10, 1998. The LUST case involved a release of waste oil that affected soil only. Based on the regulatory status, the LUST is not anticipated to affect the environmental condition of the Property. The adjoining landfill does constitute a REC.

Watkins Terminals, Inc./Freight Terminals, Inc./Gage and Greenwood, 6371 Greenwood Avenue or Gage Avenue and Greenwood Avenue (adjacent to the west) – SWEEPS UST, HIST UST, CA FID UST, CPS-SLIC, CERS, HIST CORTESE, WMUDS/SWAT, and LUST – The Watkins Terminals address is now physically located approximately 700 feet west of the Property, but it refers to the historical freight business located at the Salvage Corp. landfill site to the west of the Property, which reportedly had 15 USTs. According to the information on GeoTracker (SL184051388), a diesel petroleum hydrocarbon leak at this site was discovered in October 1987. The case status is listed as closed as of February 2, 1997. Based on its location downgradient relative to the Property and its case status, this LUST case is not anticipated to have negatively affected the environmental condition of the Property. As discussed earlier, the waste from the former Salvage Corp. landfill was reportedly excavated and it was clean closed prior to redevelopment with the adjoining residential homes. Past investigations identified TPH and VOCs in both soil and groundwater. This area may still be considered a REC with respect to possible vapor migration onto the Property.

Jan-U-Wine Foods, 7272 East Gage Avenue (adjacent to the north) – SWEEPS USTand LOS ANGELES CO. HMS – This LUST site is located upgradient to the north of the Property. There are no reported leaks from the UST. An industrial wastewater permit associated with the facility has been closed and the facility status is described as "removed." Based on the available information, this site is not anticipated to affect the environmental condition of the Property.

Good Stuff Food Co., Inc., 7222 East Gage Avenue (adjacent to the north) – HIST CORTESE, LUST, CERS HAZ WASTE, EMI, LOS ANGELES CO. HMS, and CERS – According to this listing, a leak from a UST of non-petroleum hydrocarbon solvent was reported in July 1997. The case was closed on August 26, 1997. Based on the case status, this site is not anticipated to have negatively affected the environmental condition of the Property.

Langendorf Bakery, 7222 East Gage Avenue (adjacent to the north) – RCRA-SQG, FINDS, and ECHO – These listings are not associated with past releases. The bakery formerly located to the north does not represent a significant environmental risk to the Property.

Escon Corp, 7222 East Gage Avenue (adjacent to the north) – RCRA-LQG – The business currently located at the industrial building north of the Property reports generation of oxygenated solvents (acetone, butanol, ethyl acetate, etc.), other organic solids, and ignitable waste. No violations were reported in the database listing. This business is not expected to have negatively affected the environmental condition of the Property.

OTHER DATABASE SITES

The EDR report provides a summary table of regulatory database sites within specified distances of the Property, including standard environmental records, additional environmental records, high risk historical records, and recovered governmental records. This summary table is provided beginning on Page 4 of the EDR report (**Appendix F**).

Other sites located within 0.25 miles of the Property with known or anticipated releases of hazardous substances such as LUST, ENVIROSTOR, LA Co. Site MitigationSWF/LF, and LDS cases are located cross- or downgradient, or based on case status and/or distance, are not anticipated to have negatively affected the environmental condition of the Property.

Several sites located within 0.25 miles appear in databases not typically associated with documented releases, such as RCRA NonGen/NLR, RCRA-SQG, RCR-LQG, FINDS, ECHO, SWEEPS UST, HIST UST, TRIS, EMI, LOS ANGELES CO. HMS, NPDES, WDS, CIWQS, CERS, CERS HAZ WASTE, HIST CORTESE, LDS, CERS TANKS, and UST. Based on a review of the database information, none of these sites are known to have any contamination at this time; therefore, none are anticipated to have negatively affected the environmental condition of the Property. Similarly, none of the sites situated beyond 0.25 miles are anticipated to have impacted the Property.

UNMAPPABLE OR ORPHAN SITES

Four unmappable sites were identified in the EDR report. Unmappable sites cannot be plotted due to inaccurate or incomplete addresses. The Slavage Corp. and LA By-Products landfills adjoining the Property to the west and east are among the listed orphan sites. No additional information than what was discussed above about these sites was available on these database reports. Based on review of the provided data, including the estimated locations of the other two unmappable sites in relation to the Property, it appears unlikely that they have adversely affected the environmental condition of the Property.

LANDFILLS

A review of the SWIMS database was conducted to locate any landfills or transfer stations within a one-mile radius of the Property. The SWIMS listings for landfills historically on the Property and immediately adjoining sites are discussed in Section 11 of this report. In addition to those landfills, a Caltrans Dump (State of CA Highway Road Maintenance; SWIMS Site ID: 2029) that received mixed municipal residential and inert wastes between 1956 and 1974 is located across the Interstate 5 Freeway to the east of the Property at 7810 and 7840 East Telegraph Road, Montebello. This area is currently a Super 8 Motel. It is approximately 685 feet east of the Property boundary. No other landfills were identified within 1,000 feet of the Property.

According to the EDR-provided review of the CalRecycle Solid Waste Information System, two additional solid waste facilities are located between 0.35 and 0.5 miles of the Property. One appears to be an active transfer station only and the other is the former Chapin Road Landfill that ended operations in 1950. Based on the available information, it is unlikely that these two sites have adversely affected the environmental condition of the Property.

OIL AND GAS WELLS

Available oil and gas well maps from the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR) were reviewed to identify oil and gas wells on the Property or in the nearby area. According to the DOGGR Well Finder online database, the property is not located within the boundaries of a delineated oil and gas field.

A map showing the location of the Property relative to nearby oil and gas wells is provided in Appendix E. No oil and gas wells are located on the Property or within 1,100 feet of the Property. Based on the available information, no significant environmental impacts to the Property are anticipated from oil and gas wells.

NATIONAL PIPELINE MAPPING SYSTEM

SCS reviewed the National Pipeline Mapping System (NPMS) website for the Property and surrounding area to identify any hazardous materials pipelines. The NPMS is a geographic information system (GIS) created by the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA), and Office of Pipeline Safety (OPS) in cooperation with other federal and state governmental agencies and the pipeline industry. The NPMS consists of geospatial data, attribute data, public contact information, and metadata pertaining to the interstate and intrastate hazardous liquid trunklines and hazardous liquid low-stress lines as well as gas transmission pipelines, liquefied natural gas (LNG) plants, and hazardous liquid breakout tanks (tanks that receive and store liquids transported by pipeline) jurisdictional to PHMSA. The nominal accuracy of geospatial data in the NPMS is +/-500 feet. The NPMS does not contain information on interconnects, pump and compressor stations, valves, direction of flow, capacity, throughput, or operating pressure. In addition, distribution and gathering pipelines are not included in the NPMS.

The NPMS is built from data submitted by pipeline, LNG plant, and breakout tank facility operators. Since 2002, transmission pipeline and LNG plant facility operators are required to submit mapping information to the NPMS and to update their submissions annually. Breakout tank operators are able to submit data to the NPMS on a voluntary basis.

Based on review of the NPMS website, there are no hazardous materials pipelines within 0.1 miles of the Property. The nearest NPMS-listed pipelines are located across the Interstate 5 Freeway to the east-northeast of the Property.

13 USER PROVIDED INFORMATION

A User Questionnaire was not returned to SCS for inclusion in the report. Comstock Realty Partners provided no information beyond what is discussed above.

TITLE RECORDS

Comstock provided a preliminary title report prepared by Stewart Title (June 5, 2019) that covered the western parcel of the Property (APN: 6357-019-904). SCS reviewed the report and did not

identify any indications of environmental liens or other environmental land use restrictions. A copy of the report is included in Appendix C.

ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No information regarding environmental liens or activity and use limitations was provided to SCS. No environmental liens or activity/use limitations were identified by SCS during the course of this assessment.

SPECIALIZED KNOWLEDGE

No specialized knowledge regarding the Property was provided to SCS by the User.

VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No property valuation information was provided to SCS.

14 DEGREE OF OBVIOUSNESS OF THE PRESENCE/LIKELY PRESENCE OF CONTAMINATION ON THE PROPERTY

As discussed above, between 1941 and 1954, at least four entities (plus a possible fifth unpermitted one) conducted landfilling operations on the Property. By 1963, The Property was redeveloped into its current configuration with a baseball field, City Park, parking areas, and a recreation center by 1972. The past presence of the landfill operations at the Property constitutes a REC.

15 DATA GAPS

A data gap represents an inability on the part of the environmental professional to obtain information required by the standards and practices of 40 CFR 312 to fully identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the Property.

The following data gaps were identified:

SCS requested that the City of Commerce provide previous investigations and abatement documents related to the former shooting range located in the basement of the closed community center building. Site contacts reported that soil sampling was conducted around 2010 in the backyards of residences west of the community center building, in the direction where the emissions from the shooting range's HVAC system was directed. Abatement work was reportedly conducted in 2017. While the site inspection indicated that abatement work was performed, copies of these reports were not provided. This constitutes a significant data gap.

Copies of the reports provided to SCS were incomplete. Some did not include figures, tables, laboratory reports, or other appendices. The available information was sufficient to evaluate potential releases at the Property, but was not sufficient, in some cases, to compare to current regulatory standards. In general, this is not considered a significant data gap.

16 FINDINGS AND OPINIONS

Based on the scope of work performed, SCS finds the following:

The Property is located at the southern terminus of Zindell Avenue, immediately to the north of the Rio Hondo bike path and a portion of the Rio Hondo Percolation Basin. It covers approximately 9.4 acres that are developed as Veterans Memorial Park (Park). The Park comprises a Class-A baseball stadium with seating for roughly 2,000 spectators; tennis, basketball, and handball courts; a recreational water feature; landscaped picnic and barbecue areas; a children's playground; a community center building; two mobile community center buildings; and asphalt-paved parking areas.

The Property was undeveloped or agricultural land from at least 1896 through 1940. Between 1941 and 1954, at least four entities conducted landfilling operations on the Property. By 1963, the landfills were capped with a layer of fill soil and a vegetative cover. The Property was redeveloped into its current configuration (a City Park with a baseball field, parking areas, and a recreation center) by 1972. The past presence of a landfill(s) on the Property constitutes a recognized environmental condition (REC).

With the exception of common janitorial cleaning supplies inside the closed community center building, hazardous substances and wastes were not observed at the Property during the site inspection. Significant cracks in asphalt parking lots indicated differential settlement from underlying landfilled materials. No distressed, discolored, or stained vegetation was observed. Groundwater monitoring wells and gas monitoring probes associated with investigation of the former landfill(s) were noted on and near the Property.

Several previous investigations have been conducted at the Property and immediately surrounding area. A 1963 foundation investigation conducted prior to the development of Veterans Memorial Park identified landfilled waste to a maximum depth of 28 feet. Fill consisted of uncompacted soil, municipal trash, organic materials, wood, concrete, tire casings, metal, rubber gaskets, glass, brick, wire, tile, etc. Landfilled material was removed from an approximately 1 acre area at the northwestern portion of the Property, where the community center building was constructed. Solid Waste Assessment Test (SWAT) investigations of groundwater and air conducted in the early 1990s documented the multiple landfill operators that took waste onto the Property between 1941 and 1954. While they were generally permitted to receive only non-hazardous municipal solid waste or inert wastes, regulatory records from the period of landfilling noted that operators were cited for receiving oil sludge and other suspected hazardous substances. Record reviews indicate that construction activities at the adjoining Rio Hondo Percolation Basin slope immediately to the south of the Property noted stained soils (beneath what would now include the Rio Hondo bike path).

The air SWAT investigation identified landfill gas (LFG) methane and volatile organic compounds (VOCs), including chlorinated solvents, in soil gas within the landfilled material and, to a lesser extent, at gas probes located around the perimeter of the Property. Given the presence of landfills on adjoining sites as well, the presence of these compounds cannot be exclusively attributed to the Property. The groundwater SWAT reportedly did not identify halogenated or aromatic hydrocarbons in groundwater samples collected at the Property. Metals concentrations in groundwater were reportedly below California drinking water Maximum Contaminant Levels (MCLs). SCS was not able to compare the raw data from the groundwater SWAT to current standards because the copy of the report provided did not include tabulated data, figures, or laboratory reports. Sampling of soil pore water from one lysimeter location had detections of VOCs. More recent sampling has identified methane and VOCs in soil gas, as well as total petroleum hydrocarbons (TPH), lead, and semi-volatile organic compounds (SVOCs) in soil/waste at the Property. As noted above, the historical landfills that operated on the Property are considered a REC. The extent of landfill impacts to soil, groundwater, and soil gas have not been defined.

With the exception of the onsite and nearby landfills, regulatory database information identified few known and suspected contamination sites in the area surrounding the Property. The case status for a few leaking underground storage tank (LUST) case files on adjoining and nearby sites were all listed as closed. Based on the available information, including both their relative location and case status, these LUST cases are not anticipated to have negatively affected the environmental condition of the Property. The nearby landfills are also considered RECs because of the likelihood that they have contributed to regional environmental conditions affecting the Property.

In summary, SCS performed a Phase I Environmental Site Assessment of the Veterans Memorial Park site located at 6364 Zindell Avenue in Commerce, California, in conformance with the scope and limitations of 40 CFR 312 and ASTM E1527-13. Any exceptions to, or deletions from, this practice are described in Section 5 of this report.

In the opinion of the Environmental Professionals, this assessment has revealed evidence of conditions indicative of recognized environmental conditions in connection with the Property, as discussed above.

17 REFERENCES

ASTM International, November 1, 2013. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation: E1527-13.

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) Website: http://www.conservation.ca.gov/dog/Pages/Index.aspx.

California Department of Health Services (CDHS), Updated February 2016. *California Indoor Radon Test Results*: https://www.cdph.ca.gov/Programs/CEH/DRSEM/CDPH%20Document%20Library/EMB/Radon/Radon%20Test%20Results.pdf

California Department of Toxic Substance Control (DTSC) EnviroStor Website: https://www.envirostor.dtsc.ca.gov/public/.

California Environmental Protection Agency (CalEPA), Site Portal Website: https://siteportal.calepa.ca.gov/nsite/.

California Environmental Protection Agency, State Water Resources Control Board (SWRCB), GeoTracker Website: http://geotracker.waterboards.ca.gov/.

City of Commerce, October 5, 2016. *City of Commerce Request for Proposal (RFP): Industrial Hygienist Abatement Oversight Professional Services for C.I.P. No. 2016-12, Veterans Park Building, Shooting Range Lead Abatement/Demolition*.

Converse Environmental West (Converse), March 15, 1990. *Final Report for Solid Waste Air Quality Assessment Testing at the City of Commerce's Veterans Park, 7316 Gage Avenue, City of Commerce, CA 90040*.

Converse, February 27, 1991. *Results of SWAT Groundwater Quality Testing: Veterans Memorial Park, 6364 Zindell Avenue, Commerce, California*.

Converse, April 12, 1991. *Presentation of Document Assessment: Watkins Truck Terminal, 6370 Greenwood Avenue, Bell Gardens, California*.

Dibblee, T.W., 1989. *Geologic Map of the Los Angeles Quadrangle*.

Environmental Data Resources, Inc. (EDR), www.edrnet.com, (800) 352-0050.

Federal Register, The Daily Journal of the United States Government, November 1, 2005. Part III, Environmental Protection Agency, 40 CFR Part 312, Standards and Practices for All Appropriate Inquiry. Volume 70, No. 210. Amended December 30, 2013, Volume 78, No. 250.

LeRoy Crandall & Associates, November 29, 1963. *Report of Foundation Investigation: Proposed Southeast Park Recreational Facilities, Zindell Street, Commerce, California*.

Los Angeles County Countywide General Plan, July 1973, Updated October 1996. *Major Waste Systems, Project Planning & Pollution Control Division – County Engineer, Regional Planning Commission.*

Los Angeles Department of Public Works, Solid Waste Information Management System website: https://pw.lacounty.gov/epd/swims/OnlineServices/search-solid-waste-sites-esri.aspx.

Los Angeles Department of Public Works, Online File Review website: https://dpw.lacounty.gov/epd/ust/.

National Pipeline Mapping System (NPMS) Website: https://www.npms.phmsa.dot.gov/PublicViewer/.

Ninyo & Moore, August 21, 2015. *Landfill Gas Investigation: Gage Avenue Dump and Vicinity, 7316 Gage Avenue and 6364 Zindell Avenue, SWIS No. 19-AA-5543, and Other Waste Disposal Sites, Commerce and Bell Gardens, California*.

South Coast Air Quality Management District (AQMD), Facility INformation Detail (FIND) website: http://www3.aqmd.gov/webappl/fim/prog/search.aspx.

United States Geological Survey (USGS), 1981, Whittier Quadrangle 7.5-minute Topographic Map Series, 1981, photo revised from 1965.

18 GLOSSARY/DEFINITIONS

AAI -- All Appropriate Inquiry

AUL -- Activity and Use Limitations

BTEX -- Benzene, toluene, ethylbenzene, and total xylenes

CERCLA -- Comprehensive, Environmental Response, Compensation, and Liability Act

CERCLIS -- Comprehensive Environmental Response, Compensation, and Liability Information System

CFR -- Code of Federal Regulations

CORRACTS -- Corrective Action Against Responsible Parties at a RCRA site

CREC -- A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, or institutional or engineering controls).

DOGGR -- Department of Oil, Gas, and Geothermal Resources

De Minimis Condition -- A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not RECs or CRECs.

DTSC -- California EPA Department of Toxic Substances Control

EDR -- Environmental Data Resources, Inc.

EPA -- Environmental Protection Agency

ERNS -- Emergency Response Notification System

ESA -- Environmental Site Assessment

FINDS -- Facility Index System

HAZNET -- California EPA Hazardous Waste Facility and Manifest Data

HREC -- Historical Recognized Environmental Condition: A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls

LQG -- Large Quantity Hazardous Waste Generator

LUST -- Leaking Underground Storage Tank

MCL -- Maximum contaminant level

MTBE -- Methyl-tert-butyl-ether

NFA -- No Further Action determination

NFRAP -- No Further Remedial Action Planned

NPL -- National Priority List (Superfund)

PAHs -- Polynuclear aromatic hydrocarbons

PCBs -- Polychlorinated biphenyls

RCRA -- Resource Conservation and Recovery Act

RCRIS -- Resource Conservation and Recovery Information System

REC -- R*ecognized environmental condition* is defined by ASTM E 1527-13 as: "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to 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*."

ROD -- Record of Decision

RBSLs -- Risk-based Screening Levels

RSLs – Regional Screening Levels

RWQCB -- Regional Water Quality Control Board

SARA -- Superfund Amendments and Reauthorization Act

SLIC -- Spills, Leaks, Investigations, and Cleanups database

SQG -- Small Quantity Hazardous Waste Generator

SWIS -- Solid Waste Information System

SWLF -- Solid Waste Facility/Landfills

TPH -- Total Petroleum Hydrocarbons

TRIS -- Toxic Release Inventory System

TSD -- Treatment, Storage, and/or Disposal Facility

User -- The person or persons seeking to establish the innocent landowner defense, bona fide prospective purchaser liability protection, and/or contiguous property owner liability protection pursuant to CERCLA sections 101 and 107.

USGS -- United States Geologic Survey

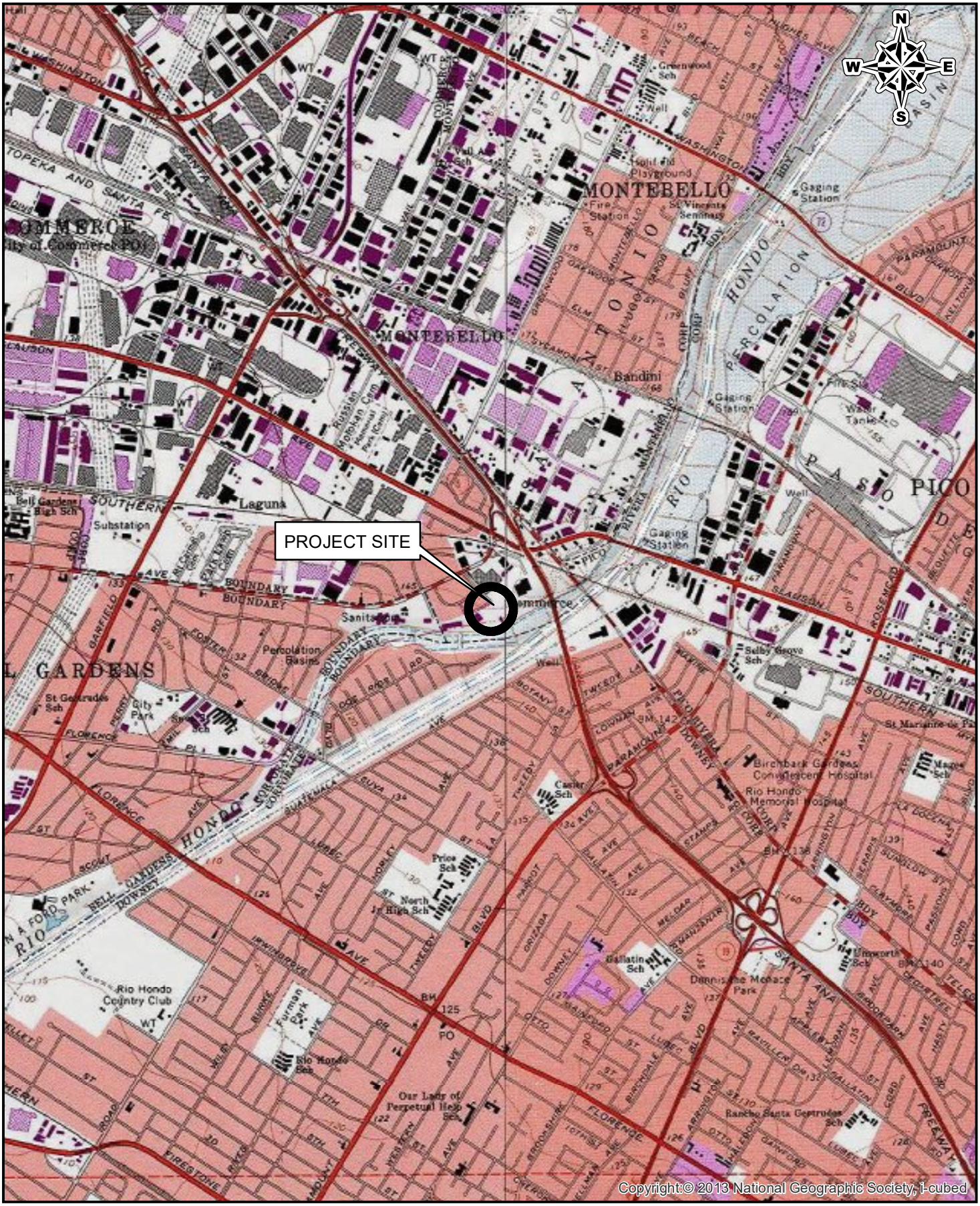
UST -- Underground Storage Tank

VCP -- Voluntary Cleanup Program

VOCs -- Volatile organic compounds

Appendix A

Figures 1 and 2



0 1,000 2,000 Feet

SCS ENGINEERS 3900 KILROY AIRPORT WAY, STE 100 LONG BEACH, CALIFORNIA 90806-6816	SITE: 6364 Zindell Avenue Commerce, California 90040	Job No.: 01219180.00 T3 Title: SITE LOCATION MAP	FIGURE 1

6357 | 18

SCALE 1" = 100'

1987

7-15-65

REVISED
1-17-56
3-25-58
7-2-59
4-12-60
12-5-60
4-4-61
7-17-63
710118501
741126
850416-85
860203 -86
860418-86
860814 603-87

P.E. RY.

SANTA ANA FREEWAY

S. 20°16'50"W. 22.12

S. W. Line O.R. 18318-116

S. 32°37'23"E. 278.94

S. 27°42'51"E. 64.28

R=11379.17 S. 69°40'20"E. 99.21

R=5649.60 29.58 29.79

R=3739.35 143.99

60 AVE.

151.17 R=368.64

198.04

55.18

S. 38°47'26"W. 485.58

S. 26°11'28"E.

N. 61°28'40"E.

San Antonio Rd. C.S. 7708-1

NW. Line Rd. Santa Gertrudes

NW Line of OR. 38693-160; E. 121-28

E. Line

C.S. B-1072

N. 51°54'25"E. 167.29

R=1530 56.50

R=55.83 56.26

R=27 38.80

12.37 N. 64°41'E. 41.37

0.08±Ac.

R=444 49.70 41.75

422.70

S. 42° 06' 25" E.

84

CODE
6514
6519

6514

6519

GAGE

70 N. 65°10'55"E. 594.49 C.S. 8-1738 358.92

70

10

80

79.18

41.26

30 60 ZINDELL AVE. 60

594.72

30 N. 87°06'25"W. 25

N.E¼ Ln Tr. No. 11591 M.B. 212-39-40

N. 71°54'W. 47.49

N. 63°30'E. 104

S. 38°59'51"W. 22.83

N. 51°00'09"W. 5

407.45 S. 38°47'26"W. 483

437.89

S. 41°54'E. 483.05

1 3.02±Ac.

2 4.51 ±Ac.

5 7.92±Ac.

6 C.51±Ac.

8 0.08±Ac.

CITY (900) 4.98±Ac.

SAN ANTONIO RANCHO

P. 1-389

FOR PREV. ASSM'T. SEE: 1498-18

ASSESSOR'S MAP

6357	19 SHEET	P.A. 1493-19	TRA 6514 6519	REVISED 850416-85 94032904002001-12	02072906004003 - 12				SEARCH NO	MAP EXTENTS 4249080-4250090 4101820-4102650	OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 1998

2003

N

MAPPING SERVICES GIS
SCALE 1"= 100 '

ZINDELL AVE

R=40
35.92

244.45

PG 20

CITY
905
870±SF

162.18

34.24
71.44
46.02
R=55

GAGE HOME PLACE IN RO SAN ANTONIO

502.65

PG 18

CITY
904
4.40±AC

6519

S 41°54'E 422.99
376.97

PG 40

F M 13621

N 61°28'40"E 240

L A CO FCD 93.16

10450±SF
903

6514

86

S'LY LINE GAGE HOME PLACE

411.07

MOST E COR GAGE HOME PLACE

CHANNEL

RIO HONDO

BK 6366

Appendix B

Aerial Image and Site Photographs



GRAPHIC SCALE
0 150 300
SCALE IN FEET

LEGEND

25 PHOTO LOCATION AND DIRECTION

APPROX. PROPERTY BOUNDARY

IMAGE SOURCE: GOOGLE EARTH

NO.	REVISION	DATE
		8-7-19

SHEET TITLE: PHOTO LOCATION MAP

PROJECT TITLE: PHASE I ENVIRONMENTAL SITE ASSESSMENT FOR THE VETERANS MEMORIAL PARK

CLIENT:
CITY OF COMMERCE
COMSTOCK GAGE LLC
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA 90040

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO.	DWN. BY:	ACAD FILE:
01219180.00	R.RAMIREZ	N:\PROJECT
DSN. BY:	**CHK. BY:**	**APP. BY:**
R.RAMIREZ	R.HUFF	R.HUFF

DATE: 10-16-19

SCALE: AS SHOWN

FIGURE NO.
AERIAL

N: \PROJECTS\01219180.00\Deliverables\Figures\Figures (photo location).dwg Oct 16, 2019 - 11:10am By: 2747_r



Photo 1 – View from the southern terminus of Zindell Avenue to the south, across the central portion of the Property.



Photo 2 – Industrial site located to the north of the eastern side of the Property.



Photo 3 – Residences to the north of the western side of the Property.



Photo 4 – Gas well installed outside the north-central portion of the Property, in the Zindell Avenue right-of-way.



Photo 5 – Southern California Edison (SCE) outbuilding located at the north-central portion of the Property.



Photo 6 – Cracks in asphalt at parking area on the northeastern portion of the Property indicated differential settling of underlying waste.



Photo 7 – Evidence of a former boring and cracks in asphalt at northwestern parking area (near the community center building).



Photo 8 – Entrance to the community center recreation building at the northwestern portion of the Property.



Photo 9 – Gymnasium inside the recreation center building.



Photo 10 – Handball/Racquet ball courts inside the recreation center building.

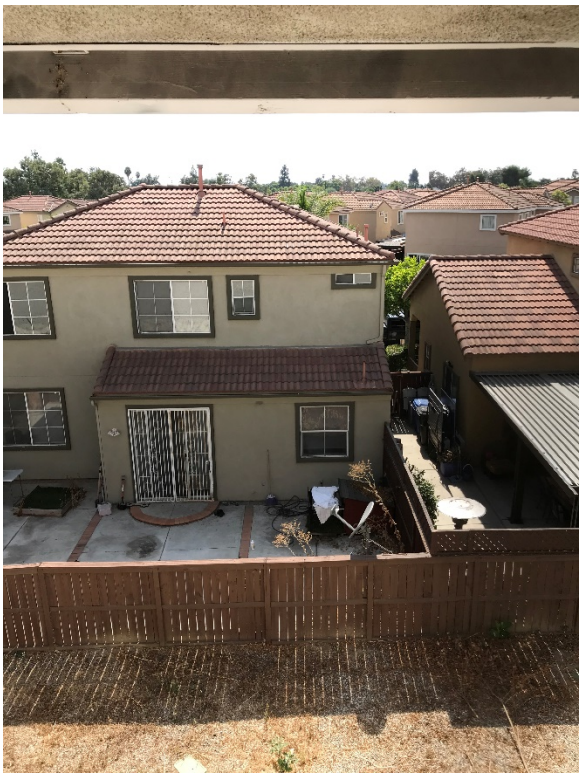


Photo 11 – Residences beyond a City-owned easement to the west of the Property.



Photo 12 – View of the former shooting range inside the basement of the community center building.



Photo 13 – A patched concrete core in the floor of the former shooting range. At least eight such patches were observed.



Photo 14 – One of two HVAC extraction points in the western wall of the former shooting range.



Photo 15 – Access road on the northwestern portion of the Property.



Photo 16 – Outdoor courts to the south of the closed community center building.



Photo 17 – Playground on the northwestern portion of the Property.



Photo 18 – Recreation area on the western side of the Property.



Photo 19 – Closed water recreation feature on the western side of the Property.



Photo 20 – Two possible groundwater well or gas probe monuments at the southwestern corner of the Property.



Photo 21 – View showing an aboveground monument of a landfill gas probe installed at the southwestern portion of the Property in 2015.



Photo 22 – View to the north from the southwestern edge of the Property.



Photo 23 – The Rio Hondo bike path and flood control basin to the south of the Property.



Photo 24 – Snack bar building on the western side of the Property.



Photo 25 – View from the bleacher area of the ballfield on the southeastern portion of the Property.



Photo 26 – Baseball field.



Photo 27 – Locker room inside a dugout of the baseball field.



Photo 28 – Water heater for the shower room in one of the dugouts.



Photo 29 – Another aboveground monument for either a groundwater well or gas probe located at the southeastern portion of the Property, to the south of the ballfield.



Photo 30 – View to the north from the southeastern edge of the Property.



Photo 31 – Undeveloped land east of the Property (also former landfill).



Photo 32 – Maintenance building at the northeastern portion of the Property.



Photo 33 – Landfill gas probe monitoring location situated to the south of the maintenance building shown in Photo 32.



Photo 34 – Maintenance equipment stored in a caged area north of the maintenance structure.



Photo 35 – Northeastern parking area.

Appendix C

Historical Site Use Information

Veterans Memorial Park

6364 Zindell Avenue

Los Angeles, CA 90040

Inquiry Number: 5781776.8

September 09, 2019

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

09/09/19

Site Name:

Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040
EDR Inquiry # 5781776.8

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806
Contact: Justin Rauzon

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 11, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1983	1"=500'	Flight Date: November 19, 1983	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: May 29, 1977	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 24, 1972	EDR Proprietary Brewster Pacific
1963	1"=500'	Flight Date: February 28, 1963	USGS
1952	1"=500'	Flight Date: November 17, 1952	USDA
1947	1"=500'	Flight Date: June 18, 1947	FAIR
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR

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INQUIRY #: 5781776.8

YEAR: 2016

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 2012

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 2009

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 2005

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 2002

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 1994

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 1989

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 1983

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 1977

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 1972

= 500'

N

EDR



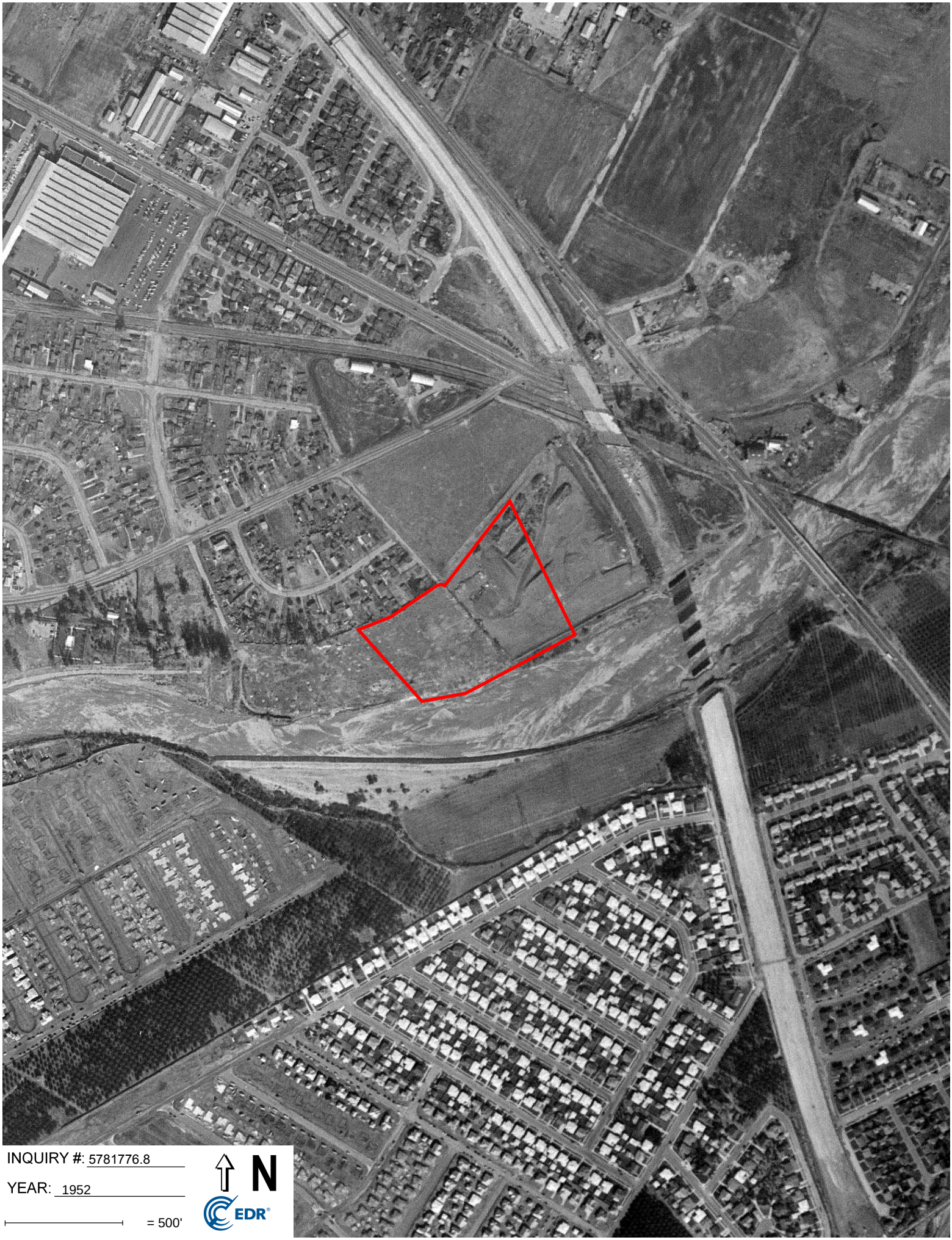
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YEAR: 1963

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N

EDR



INQUIRY #: 5781776.8

YEAR: 1952

= 500'

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EDR



INQUIRY #: 5781776.8

YEAR: 1947

= 500'

N

EDR



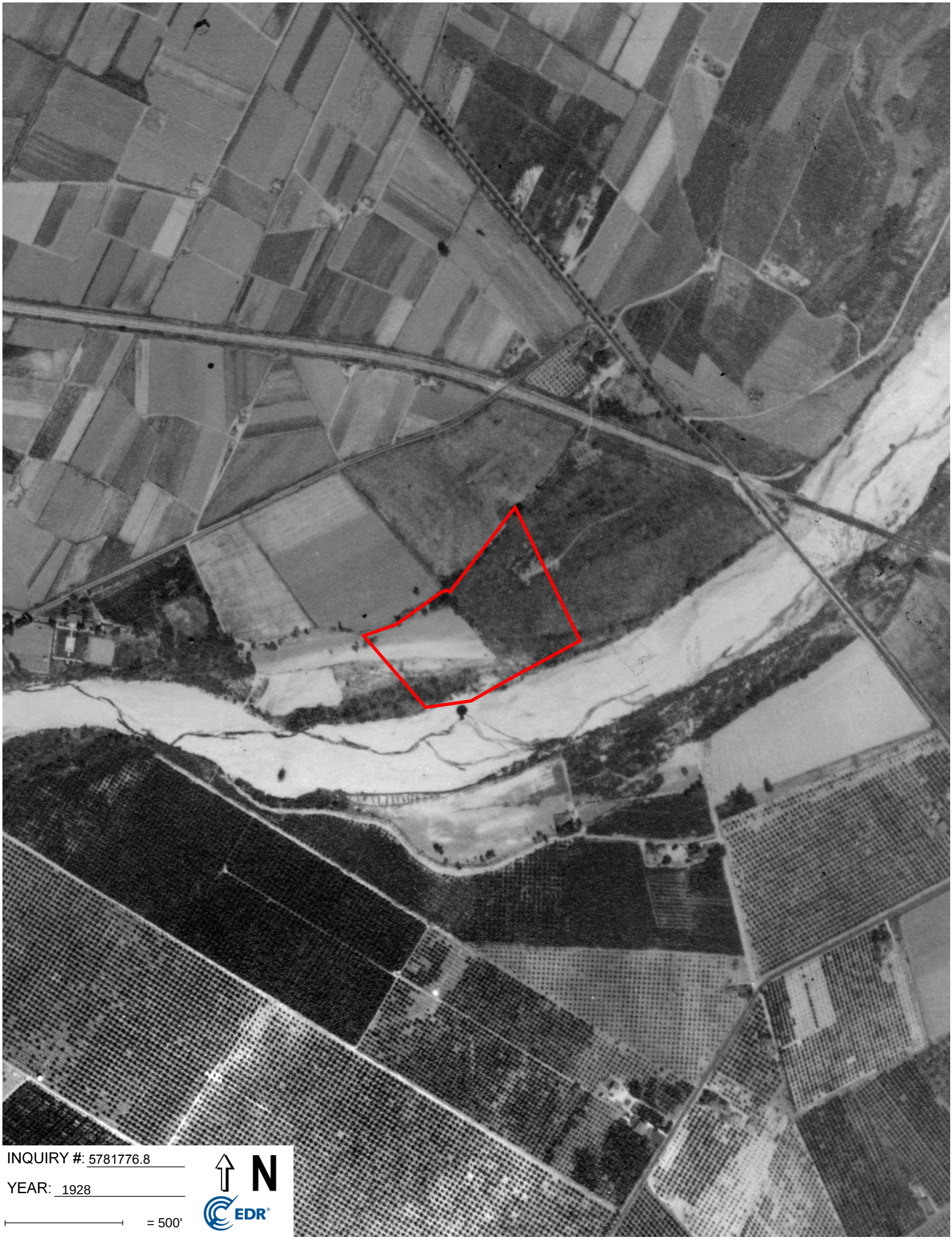
INQUIRY #: 5781776.8

YEAR: 1938

= 500'

N

EDR



INQUIRY #: 5781776.8

YEAR: 1928

= 500'

N

EDR

Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040

Inquiry Number: 5781776.5
September 09, 2019

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
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.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

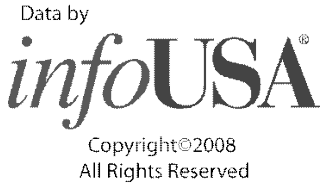
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

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.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	X	X	-
	Haines Company, Inc.	-	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines	-	X	X	-
1999	Haines Company	-	X	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone Co	-	-	-	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

6364 Zindell Avenue
Los Angeles, CA 90040

FINDINGS DETAIL

Target Property research detail.

Zindell Ave

6364 Zindell Ave

Year	*Uses*	*Source*
2014	COMMERCE CITY OF	EDR Digital Archive
2010	COMMERCE CITY OF	EDR Digital Archive

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

AVENIDA AGUAS CALIENTES

6347 AVENIDA AGUAS CALIENTES

Year	Uses	Source
2006	REYES WIson	Haines Company

6351 AVENIDA AGUAS CALIENTES

Year	Uses	Source
2006	ZAVALA Elvia	Haines Company

6353 AVENIDA AGUAS CALIENTES

Year	Uses	Source
2006	LARIOS David	Haines Company

E GAGE AVE

7206 E GAGE AVE

Year	Uses	Source
2006	HOSPITALITY WOOD	Haines Company, Inc.
	PRODUCTS INC	Haines Company, Inc.
	HOSPITALITY WOOD	Haines Company
	PRODUCTSINC	Haines Company

7208 E GAGE AVE

Year	Uses	Source
2006	GROCERS	Haines Company, Inc.
	INTERNATIONAL	Haines Company, Inc.
	GROCERS	Haines Company
	INTERNATIONAL	Haines Company

7215 E GAGE AVE

Year	Uses	Source
2006	TOUCH LITHO CO	Haines Company, Inc.
1999	IMPACT INTERNATL INC	Haines Company
	SNOW MFG CO	Haines Company
	1/2 PLATINUM DYE CUT & FINISHING	Haines Company

FINDINGS

7222 E GAGE AVE

Year	Uses	Source
2006	HUNTINTERIORINC	Haines Company, Inc.
	ESCONCORP	Haines Company
	HUNT INTERIOR INC	Haines Company
	ESCONCORP	Haines Company, Inc.
1999	ESCON CORP	Haines Company
	B H S INCORPORATED	Haines Company
1990	LANGENDORF-BARBARA ANN BAKERIES	Pacific Bell

7237 E GAGE AVE

Year	Uses	Source
2006	GRACE WR& CO	Haines Company, Inc.
	GRACE W R & CO	Haines Company
	GRACEW R & CO	Haines Company, Inc.
	GRACEWR& CO	Haines Company
	GRACE W R & CO	Haines Company, Inc.
	GRACEWR& CO	Haines Company
1999	GRACE W R & CO CONST PRDCTS DIV	Haines Company
1990	GRACE W R & CO CONSTRUCTION PRODUCTS DIV CMRC	Pacific Bell
1986	GRACE W R & CO	Pacific Bell
1981	GRACE W R & CO CONSTRUCTION PRODUCTS DIV CMRC	Pacific Telephone
1970	GRACE CONSTRUCTION MATERIALS DIV OF W R GRACE CO	Pacific Telephone

E Gage Ave

7240 E Gage Ave

Year	Uses	Source
2014	HOSTESS BRANDS INC	EDR Digital Archive
	CURE APPAREL LLC	EDR Digital Archive
2010	HOSTESS BRANDS INC	EDR Digital Archive
	MRS CUBBISONS FOODS INC	EDR Digital Archive
	INTERSTATE BRANDS-MARIE	EDR Digital Archive

FINDINGS

E GAGE AVE

7240 E GAGE AVE

Year	Uses	Source
2006	FOODS INC	Haines Company
	MRS CUBBISONS	Haines Company
	FOODSINC	Haines Company, Inc.
	MRSCUBBISONS	Haines Company, Inc.

E Gage Ave

7268 E Gage Ave

Year	Uses	Source
2014	MIDUM RESTAURANT GROUP INC	EDR Digital Archive
	J J P J INC	EDR Digital Archive
2010	MIDUM RESTAURANT GROUP INC	EDR Digital Archive
	J J P J INC	EDR Digital Archive

E GAGE AVE

7268 E GAGE AVE

Year	Uses	Source
2006	DENNYS	Haines Company
	Res TAURANT	Haines Company, Inc.
	DENNYS	Haines Company, Inc.
	RESTAURANT	Haines Company

E Gage Ave

7272 E Gage Ave

Year	Uses	Source
2014	HSR HOSPITALITY INC	EDR Digital Archive

E GAGE AVE

7272 E GAGE AVE

Year	Uses	Source
2006	COMMERCE	Haines Company, Inc.
	COMMERCE	Haines Company
	RAMADAINN	Haines Company
	RAMADAINN	Haines Company, Inc.

Year	Uses	Source
1999	ALEXANDERS RESTAURANT	Haines Company
	RAMADA INN	Haines Company
1981	JAN U WINE FOODS INC CMRC	Pacific Telephone
1964	ALOHA LUAU	Pacific Telephone
	JAN-U-WINE FOODS	Pacific Telephone
	ORIENTAL FOODS INC	Pacific Telephone

7316 E GAGE AVE

Year	Uses	Source
1999	XXXX	Haines Company
1971	Grocery & Specialty Bags	Pacific Telephone
	INTERNATIONAL PAPER CO	Pacific Telephone
1964	INTERNATL PAPER CO	Pacific Telephone
1960	INTERNATL PAPER CO	Pacific Telephone

GAGE AVE

7215 GAGE AVE

Year	Uses	Source
1981	GENUINE PARTS DISTRIBUTORS CMRC	Pacific Telephone
1976	Genuine Parts Distributors	Pacific Telephone

7222 GAGE AVE

Year	Uses	Source
1976	Barbara Ann Bakeries	Pacific Telephone

7237 GAGE AVE

Year	Uses	Source
1976	Construction Products Div	Pacific Telephone
	Grace W R & Co	Pacific Telephone

7272 GAGE AVE

Year	Uses	Source
1976	Jan U Wine Foods Inc	Pacific Telephone

7316 GAGE AVE

Year	Uses	Source
1976	Alleluia Cushion Co Inc	Pacific Telephone

FINDINGS

GAGE AVE E

7215 GAGE AVE E

Year	Uses	Source
2000	SNOW MFG CO 962 82 f	Haines
	1/2 PLATINUM DYE CUT & FINISHING 562 4 b l	Haines
	IMPACT INTERNATL INC 562 BH 266 l	Haines

7222 GAGE AVE E

Year	Uses	Source
2000	ESCON CORP 542 52 T	Haines
	HUNT INTERIOR INC	Haines

7237 GAGE AVE E

Year	Uses	Source
2000	GRACE W R & CO 54 t Ti	Haines

7268 GAGE AVE E

Year	Uses	Source
2000	DENNYS RESTAEURANT	Haines

7272 GAGE AVE E

Year	Uses	Source
2000	RAMADA INN 6162 84 r	Haines
	ALEXANDERS RESTAURANT	Haines

7316 GAGE AVE E

Year	Uses	Source
2000	SLOTKIN Mark	Haines

KUHL DR

7148 KUHL DR

Year	Uses	Source
2006	o GUTIERREZ Ca Cos	Haines Company, Inc.
	GUTIERREZ Car Ieos	Haines Company
2000	GUTIERREZ Carlos	Haines

7149 KUHL DR

Year	Uses	Source
2006	LOMALI Joanna	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	LOMALI Joanna	Haines Company
2000	XXXX	Haines
1999	XXXX	Haines Company

7153 KUHL DR

Year	Uses	Source
2006	No Current Listing	Haines Company
	No Current Listing	Haines Company, Inc.
2000	SALAS Margarita	Haines
	CURIEL Mike	Haines

7154 KUHL DR

Year	Uses	Source
2006	GONZALEZ Irene	Haines Company, Inc.
	DIAZRoberto	Haines Company, Inc.
	GONZALEZ Femando 00 e	Haines Company
	NARVAIZGraciela	Haines Company
2000	GONZALEZ Anna	Haines
	GONZALEZ Cesar	Haines
1999	MANRIAUEZ Guillermo	Haines Company
	GONZALEZ Anna	Haines Company

7157 KUHL DR

Year	Uses	Source
2006	BROCK Michael	Haines Company, Inc.
	BROCK Michael	Haines Company
2000	XXXX	Haines
1999	ECHEVARRIA Cesar	Haines Company

7159 KUHL DR

Year	Uses	Source
2006	ARECHIGAAntonio	Haines Company, Inc.
	Vs ARECHIGAAntonio	Haines Company
	PEREZVigillo	Haines Company, Inc.
	o ARECHIGAAntonlo	Haines Company
2000	1/2 ARECHIGA Antonio	Haines

7160 KUHL DR

Year	Uses	Source
2000	XXXX	Haines

FINDINGS

Year	Uses	Source
1999	XXXX	Haines Company

7162 KUHL DR

Year	Uses	Source
2006	MANI Israel	Haines Company
	MANI Israel	Haines Company, Inc.
2000	XXXX	Haines
1999	XXXX	Haines Company

7163 KUHL DR

Year	Uses	Source
2006	No Current Listing	Haines Company
	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines

7165 KUHL DR

Year	Uses	Source
1999	XXXX	Haines Company

Kuhl Dr

7167 Kuhl Dr

Year	Uses	Source
2014	R & J RFRGN & CNSTR SVCS INC	EDR Digital Archive

KUHL DR

7167 KUHL DR

Year	Uses	Source
2006	JIMENEZ Sandra	Haines Company, Inc.
	JIMENEZSandra	Haines Company

7168 KUHL DR

Year	Uses	Source
2000	MUNOZ Annelle	Haines

Kuhl Dr

7170 Kuhl Dr

Year	Uses	Source
2010	NOW BORN MINISTRIES	EDR Digital Archive

FINDINGS

KUHL DR

7170 KUHL DR

Year	Uses	Source
2000	XXXX	Haines

7172 KUHL DR

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	BILBREY Isiac	Haines
1999	BILBREY Isiac	Haines Company

7174 KUHL DR

Year	Uses	Source
2006	GUZMAN Sanlaos	Haines Company
	ORENDAIN Aida	Haines Company
	ORENDAIN Alda	Haines Company, Inc.
	a GUZMAN Sanlos	Haines Company, Inc.
2000	GUZMAN Santos	Haines
1999	VILES Geo E	Haines Company

7175 KUHL DR

Year	Uses	Source
2000	XXXX	Haines
1999	XXXX	Haines Company

7176 KUHL DR

Year	Uses	Source
2006	GONZALES Moses	Haines Company, Inc.
	GONZALES Moses	Haines Company
2000	GONZALES Moses	Haines

Kuhl Dr

7177 Kuhl Dr

Year	Uses	Source
2010	JUMPER PLUS	EDR Digital Archive

FINDINGS

KUHL DR

7177 KUHL DR

Year	Uses	Source
2006	GARCIA Alfonso	Haines Company
	GALLEGOS Robert	Haines Company
	GARCIA Alfonso	Haines Company, Inc.
	FRAGA Caros	Haines Company, Inc.
	VERGARASANTAMA	Haines Company, Inc.
	Adalld	Haines Company, Inc.
	BELEDIAZJuana	Haines Company
	FRAGACardos	Haines Company
	GALLEGOS Robed	Haines Company, Inc.
2000	GARCIA Alfonso	Haines
1999	XXXX	Haines Company

7179 KUHL DR

Year	Uses	Source
2006	FRAGACadnos	Haines Company
	GARCIA Francisco	Haines Company
	FRAGA Cardos	Haines Company, Inc.
	FRAGA Cados	Haines Company, Inc.
	GARCIA Francisco	Haines Company, Inc.
2000	XXXX	Haines
1999	MARTINEZ German	Haines Company

7180 KUHL DR

Year	Uses	Source
2006	ORTEGASEGURA	Haines Company, Inc.
2000	GONZALEZ Arcelia	Haines

7182 KUHL DR

Year	Uses	Source
2006	No Current Listing	Haines Company
	DELAMORAJose 562 928 8404 i+6	Haines Company, Inc.
2000	XXXX	Haines
1999	XXXX	Haines Company

7184 KUHL DR

Year	Uses	Source
2000	XXXX	Haines

FINDINGS

7185 KUHL DR

Year	Uses	Source
2006	CARDENAS Alberto	Haines Company
	i CARDENAS Albero	Haines Company, Inc.
2000	CARDENAS Alberto	Haines
1999	CARDENAS Alberto	Haines Company

7186 KUHL DR

Year	Uses	Source
2006	MADRID Eliseo	Haines Company, Inc.
	MADRID Elseo	Haines Company
2000	MADRID Eliseo	Haines
1999	MADRID Eliseo	Haines Company

7189 KUHL DR

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
	No Current Listing	Haines Company
2000	XXXX	Haines

7191 KUHL DR

Year	Uses	Source
2006	MCCOMASWonece	Haines Company
	MCCOMAS Wonece	Haines Company, Inc.
	LEE Delia C	Haines Company, Inc.
2000	MCCOMAS Wonece	Haines
1999	MCCOMAS W	Haines Company

7193 KUHL DR

Year	Uses	Source
2006	MCCOMAS Wonece	Haines Company, Inc.
	MCCOMASWonece	Haines Company
2000	XXXX	Haines
1999	XXXX	Haines Company

7194 KUHL DR

Year	Uses	Source
2006	GONZALEZArdemlo	Haines Company
	GONZALEZ Artemio	Haines Company, Inc.
2000	GONZALEZ Artemio	Haines

FINDINGS

Kuhl Dr

7197 Kuhl Dr

Year	Uses	Source
2014	JAXON MERCHANDISING	EDR Digital Archive

KUHL DR

7197 KUHL DR

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
	No Current Listing	Haines Company
2000	X ZINDELL AV	Haines
	XXXX	Haines
	BUS 54 RES 23 NEW	Haines
1999	XXXX	Haines Company
	X ZINDELL AV	Haines Company

Zindell Ave

6305 Zindell Ave

Year	Uses	Source
2010	JAVIER ARROYO AND MARIA DEL CA	EDR Digital Archive

ZINDELL AVE

6305 ZINDELL AVE

Year	Uses	Source
2006	MEDINA Mana D	Haines Company, Inc.
	OCHOAAlbero	Haines Company, Inc.
	MEDINA Marda	Haines Company
2000	ARROYO Javier	Haines
	MEDINA Maria D	Haines
	GONZALEZ Steve	Haines

Zindell Ave

6317 Zindell Ave

Year	Uses	Source
2014	ADOLESCENT GROWTH INC	EDR Digital Archive

FINDINGS

ZINDELL AVE

6319 ZINDELL AVE

Year	Uses	Source
2000	XXXX	Haines

6323 ZINDELL AVE

Year	Uses	Source
2006	ADLSCNTGRWTH	Haines Company
	ABUNDANTLIFE&	Haines Company
	ADLSCNTGRWTH	Haines Company, Inc.
	ABUNDANT LIFE	Haines Company, Inc.

6347 ZINDELL AVE

Year	Uses	Source
2006	No Current Listing	Haines Company
	No Current Listing	Haines Company, Inc.
2000	FITCH Diane	Haines
	DANGANAN Benjamin	Haines
	X KUHL DR	Haines

6353 ZINDELL AVE

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
	No Current Listing	Haines Company
2000	MONTES Carmen	Haines
	BUS 7 RES 3 NEW	Haines

6355 ZINDELL AVE

Year	Uses	Source
1964	ROGGE GARY L	Pacific Telephone

Zindell Ave

6359 Zindell Ave

Year	Uses	Source
2014	AAA YELLOW CAB	EDR Digital Archive

FINDINGS

ZINDELL AVE

6359 ZINDELL AVE

Year	*Uses*	*Source*
2006	GIMMENEZAlejandro	Haines Company, Inc.
	GIMMENEZAlejandro	Haines Company

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
6305 ZINDELL AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6305 Zindell Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6317 Zindell Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6319 ZINDELL AVE	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6323 ZINDELL AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6347 AVENIDA AGUAS CALIENTES	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6347 ZINDELL AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6351 AVENIDA AGUAS CALIENTES	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6353 AVENIDA AGUAS CALIENTES	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
6353 ZINDELL AVE	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6355 ZINDELL AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6359 ZINDELL AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
6359 Zindell Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7148 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7149 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7153 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7154 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7157 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7159 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7160 KUHL DR	2014, 2010, 2006, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
7162 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7163 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7165 KUHL DR	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7167 KUHL DR	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7167 Kuhl Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7168 KUHL DR	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7170 KUHL DR	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7170 Kuhl Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7172 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7174 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7175 KUHL DR	2014, 2010, 2006, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
7176 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7177 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7177 Kuhl Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7179 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7180 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7182 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7184 KUHL DR	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7185 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7186 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7189 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7191 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
7193 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7194 KUHL DR	2014, 2010, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7197 KUHL DR	2014, 2010, 2004, 2003, 2001, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7197 Kuhl Dr	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7206 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7208 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7215 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7215 GAGE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7215 GAGE AVE E	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7222 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7222 GAGE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
7222 GAGE AVE E	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7237 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7237 GAGE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7237 GAGE AVE E	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7240 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7240 E Gage Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7268 E Gage Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7268 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7268 GAGE AVE E	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7272 E GAGE AVE	2014, 2010, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7272 E Gage Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
7272 GAGE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7272 GAGE AVE E	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7316 E GAGE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7316 GAGE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
7316 GAGE AVE E	2014, 2010, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
6364 Zindell Avenue	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040

Inquiry Number: 5781776.3
September 09, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/09/19

Site Name:

Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040
EDR Inquiry # 5781776.3

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806
Contact: Justin Rauzon

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by SCS Engineers 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 # 7006-4D9B-BCA4

PO # NA

Project 01219180.00 T3

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 7006-4D9B-BCA4

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

The Sanborn Library LLC Since 1866™

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Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040

Inquiry Number: 5781776.4
September 09, 2019

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

09/09/19

Site Name:

Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040
EDR Inquiry # 5781776.4

Client Name:

SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806
Contact: Justin Rauzon

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by SCS Engineers 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.# NA

Project: 01219180.00 T3

Coordinates:

Latitude:	33.972567 33° 58' 21" North
Longitude:	-118.125828 -118° 7' 33" West
UTM Zone:	Zone 11 North
UTM X Meters:	395996.28
UTM Y Meters:	3759685.29
Elevation:	148.28' above sea level

Maps Provided:

2012	1942
1981	1936
1972	1925
1964, 1965	1923
1951, 1952	1902
1949	1899
1947	1896
1943	

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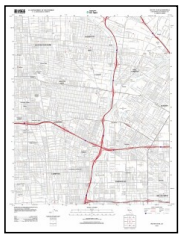
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



South Gate
2012
7.5-minute, 24000

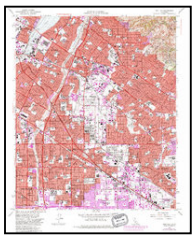


Whittier
2012
7.5-minute, 24000

1981 Source Sheets



South Gate
1981
7.5-minute, 24000
Aerial Photo Revised 1978

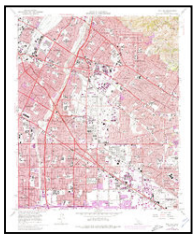


Whittier
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



South Gate
1972
7.5-minute, 24000
Aerial Photo Revised 1972

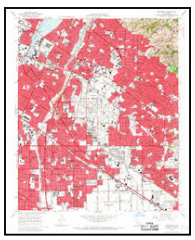


Whittier
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1964, 1965 Source Sheets



South Gate
1964
7.5-minute, 24000
Aerial Photo Revised 1963



Whittier
1965
7.5-minute, 24000
Aerial Photo Revised 1963

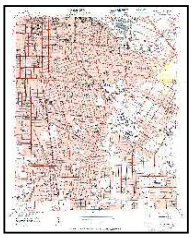
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1951, 1952 Source Sheets



Whittier
1951
7.5-minute, 24000
Aerial Photo Revised 1947



SOUTH GATE
1952
7.5-minute, 24000

1949 Source Sheets

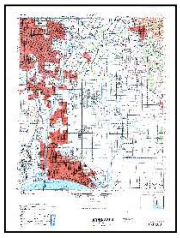


South Gate
1949
7.5-minute, 24000
Aerial Photo Revised 1947



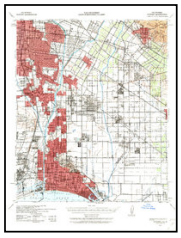
Whittier
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1947 Source Sheets



DOWNEY
1947
15-minute, 50000

1943 Source Sheets



Downey
1943
15-minute, 62500
Aerial Photo Revised 1939

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1942 Source Sheets



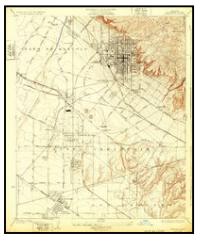
Downey
1942
15-minute, 62500

1936 Source Sheets



Bell
1936
7.5-minute, 24000

1925 Source Sheets



Whittier
1925
7.5-minute, 24000



Bell
1925
7.5-minute, 24000

1923 Source Sheets



Bell
1923
7.5-minute, 24000



Whittier
1923
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1902 Source Sheets



Downey
1902
15-minute, 62500

1899 Source Sheets



Downey
1899
15-minute, 62500

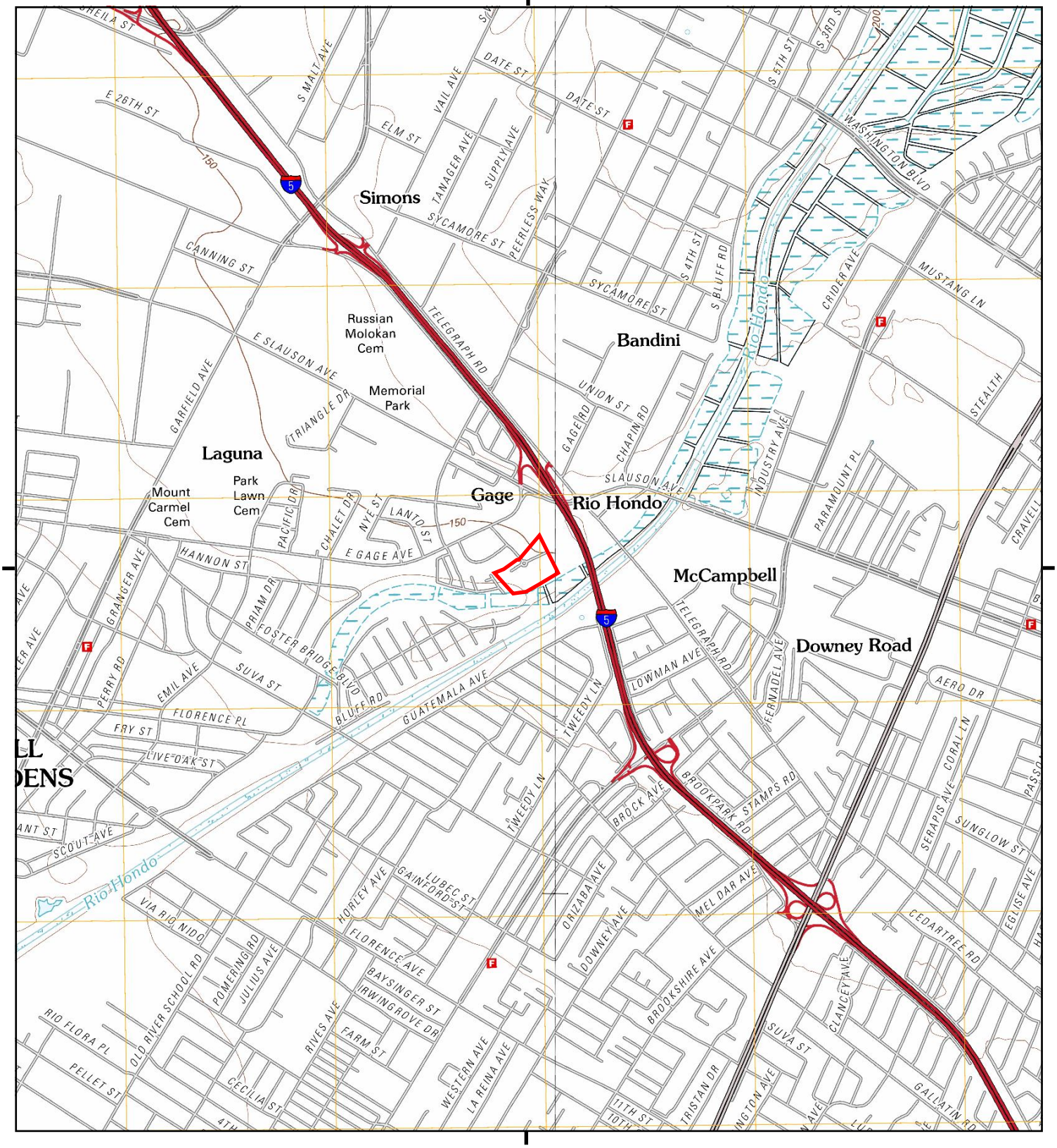
1896 Source Sheets



Downey
1896
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

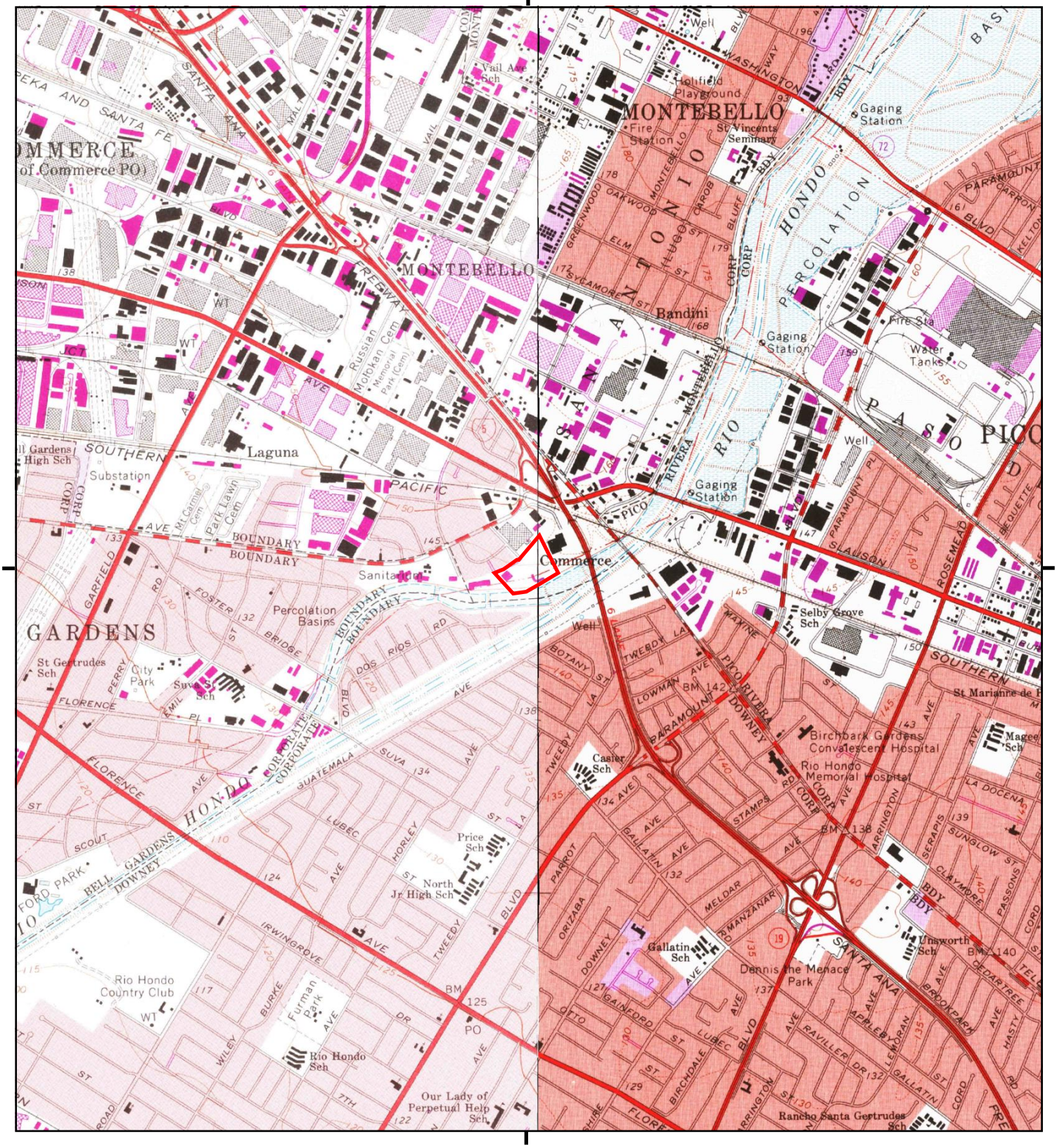
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 2012, 7.5-minute
SE, Whittier, 2012, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

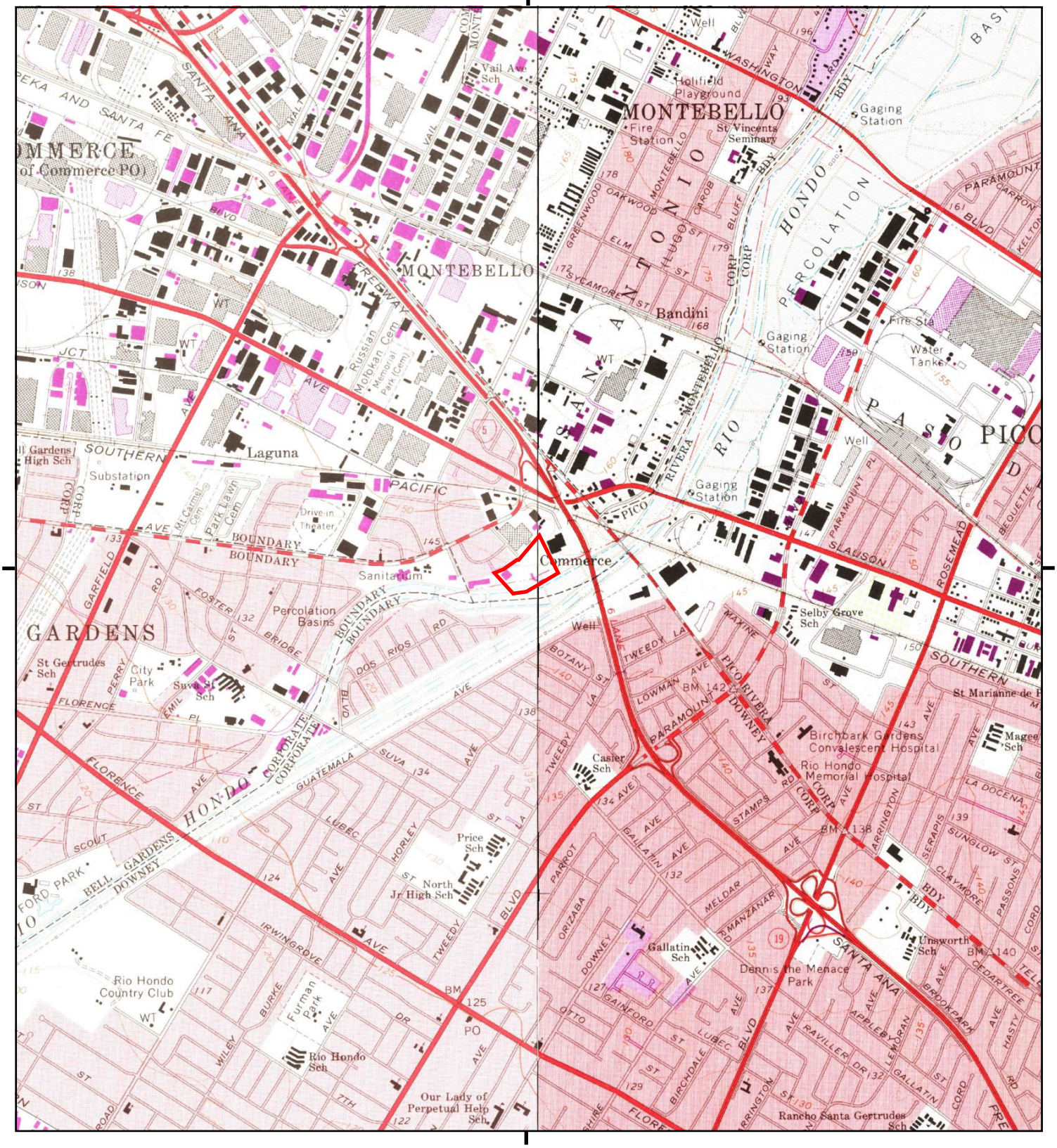
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1981, 7.5-minute
SE, Whittier, 1981, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

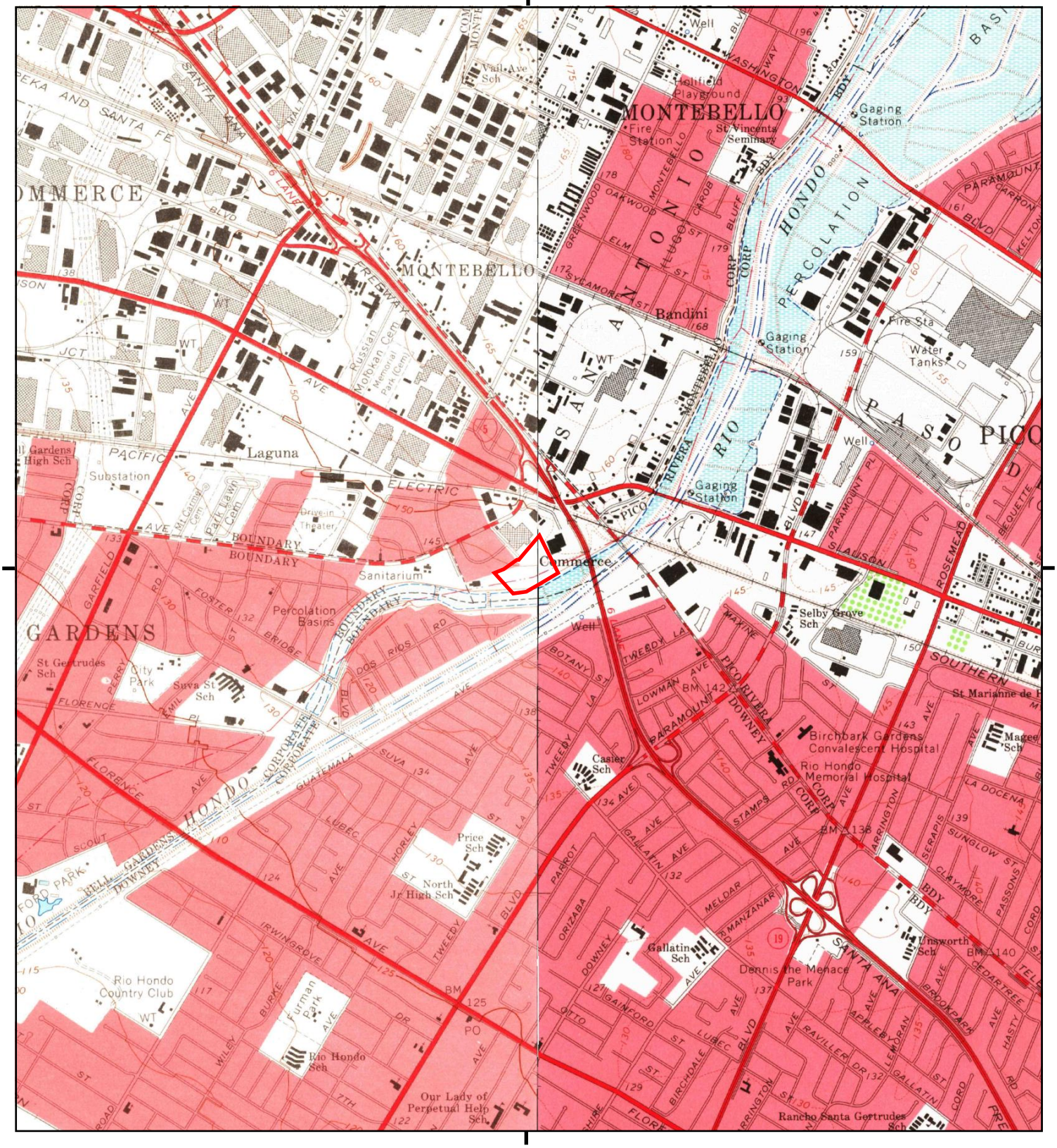
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1972, 7.5-minute
SE, Whittier, 1972, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

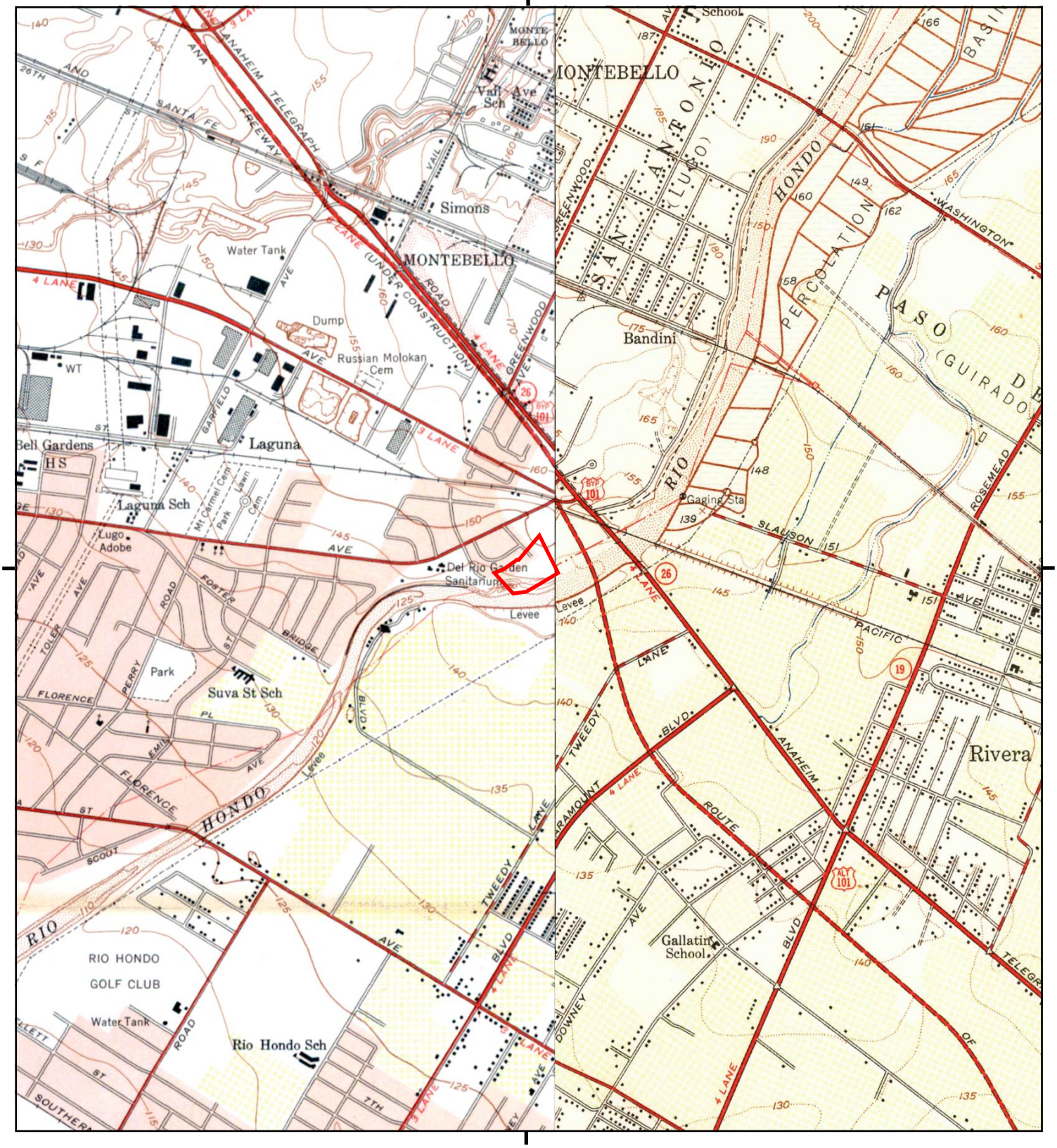
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, South Gate, 1964, 7.5-minute
SE, Whittier, 1965, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

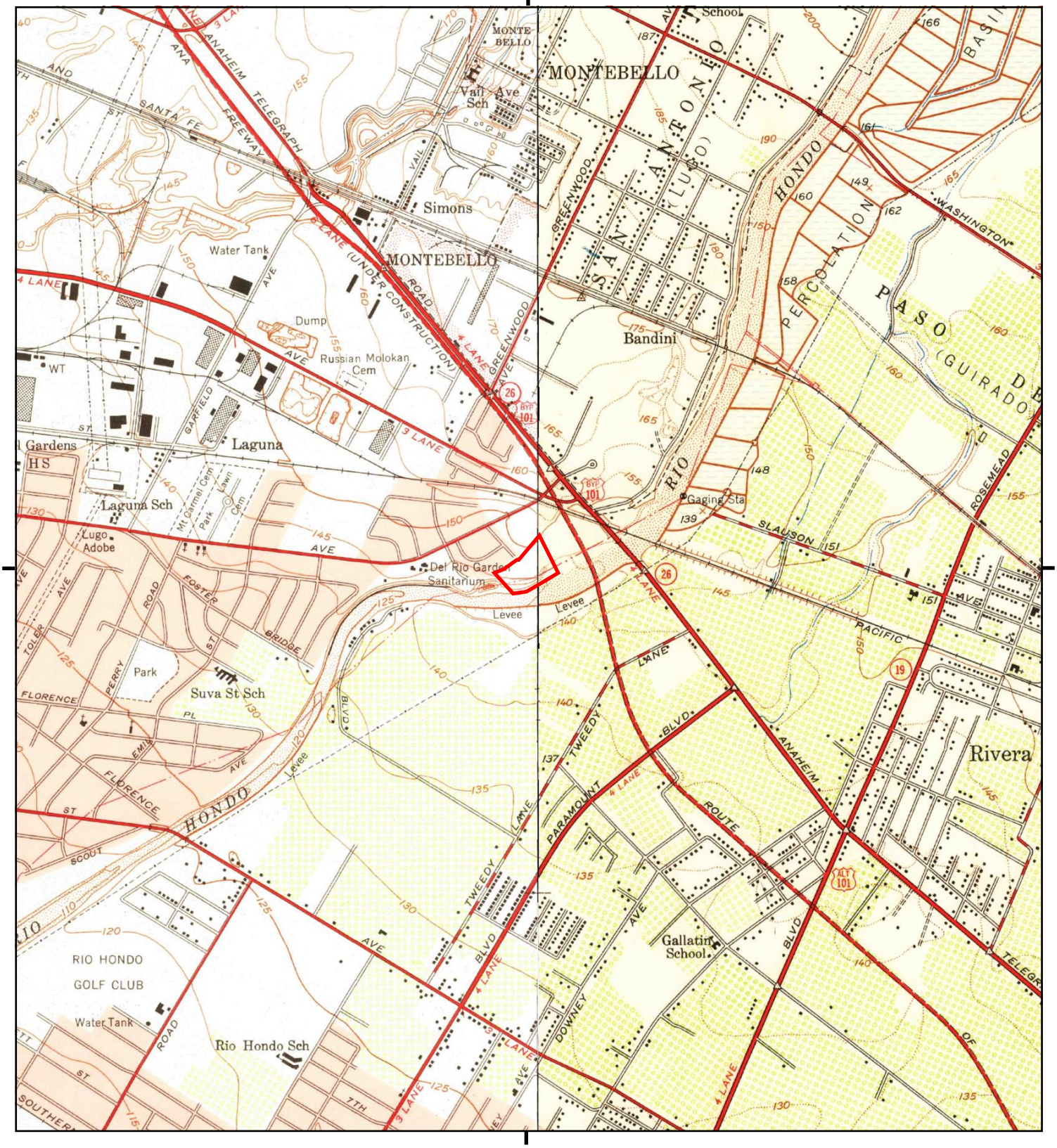
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, SOUTH GATE, 1952, 7.5-minute
SE, Whittier, 1951, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

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

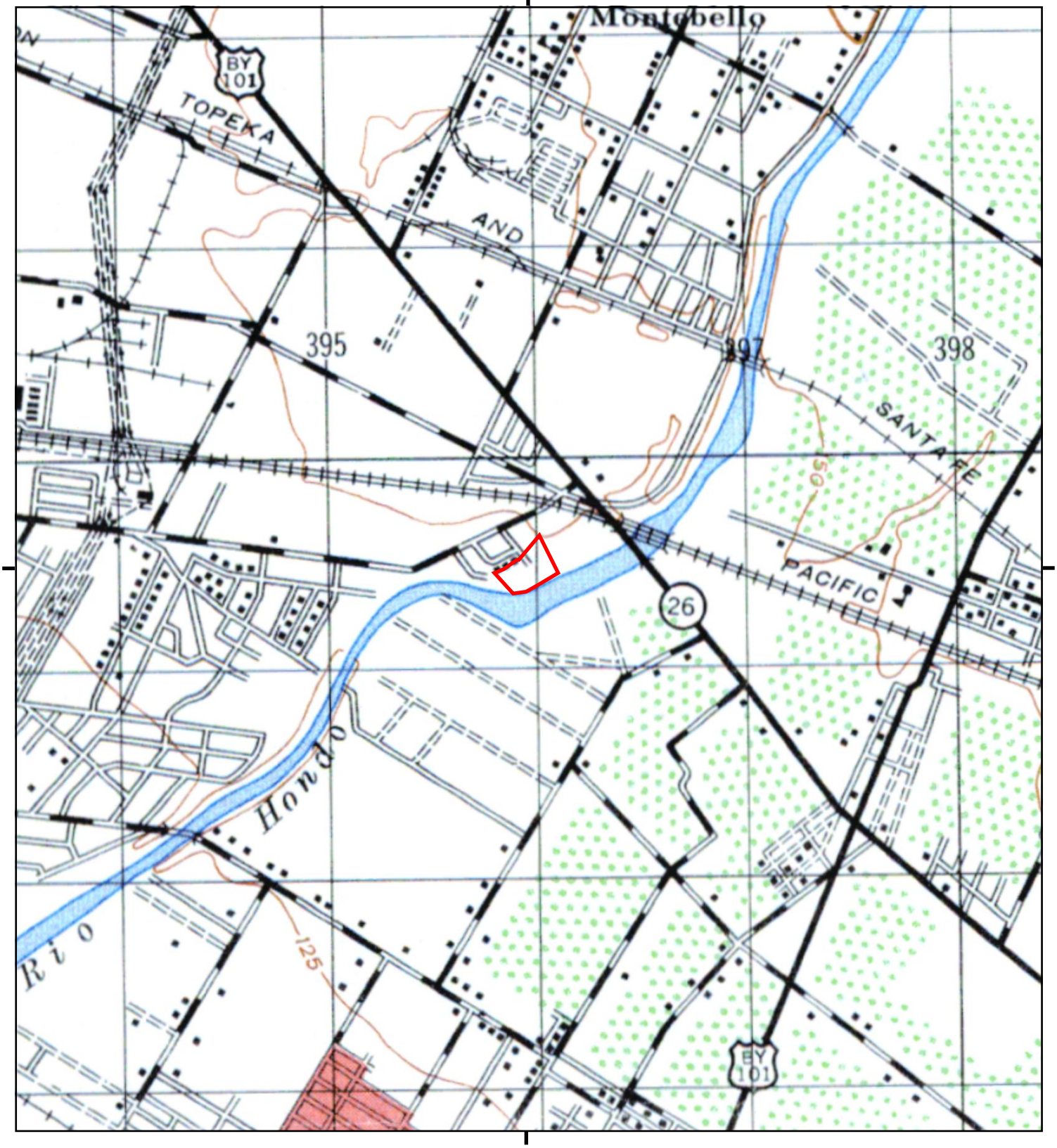
TP, South Gate, 1949, 7.5-minute
SE, Whittier, 1949, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

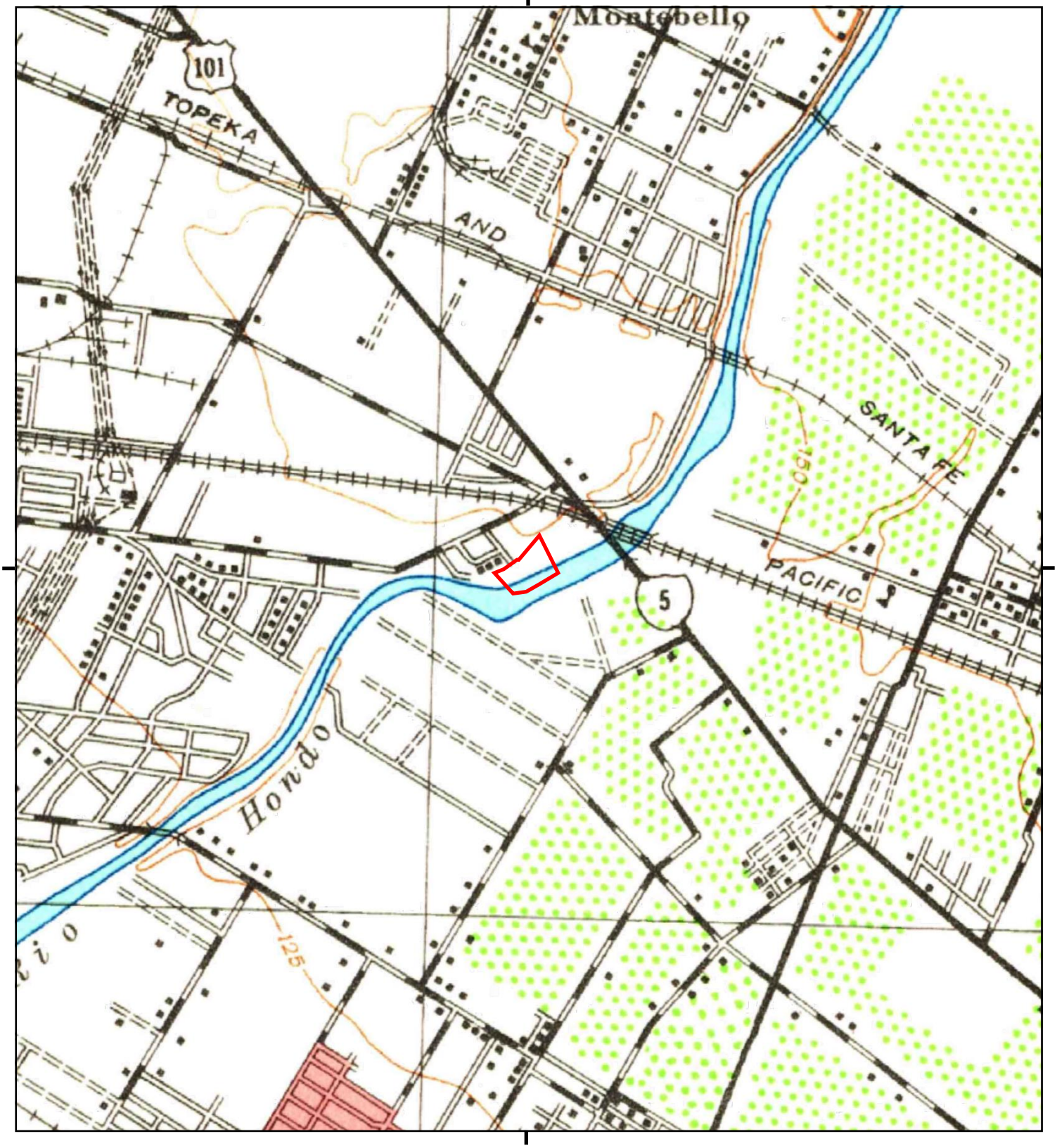
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, DOWNEY, 1947, 15-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

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

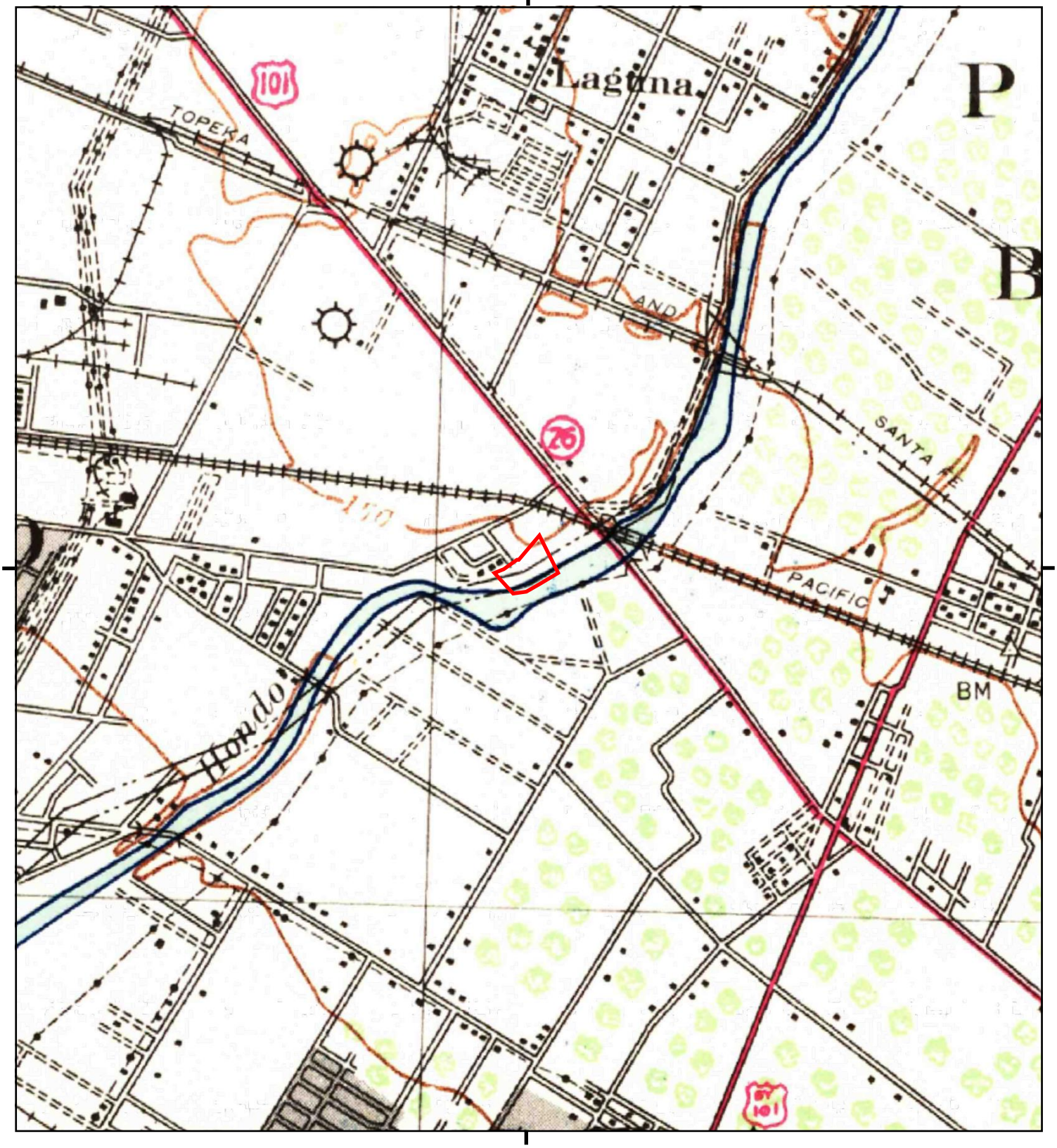
TP, Downey, 1943, 15-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

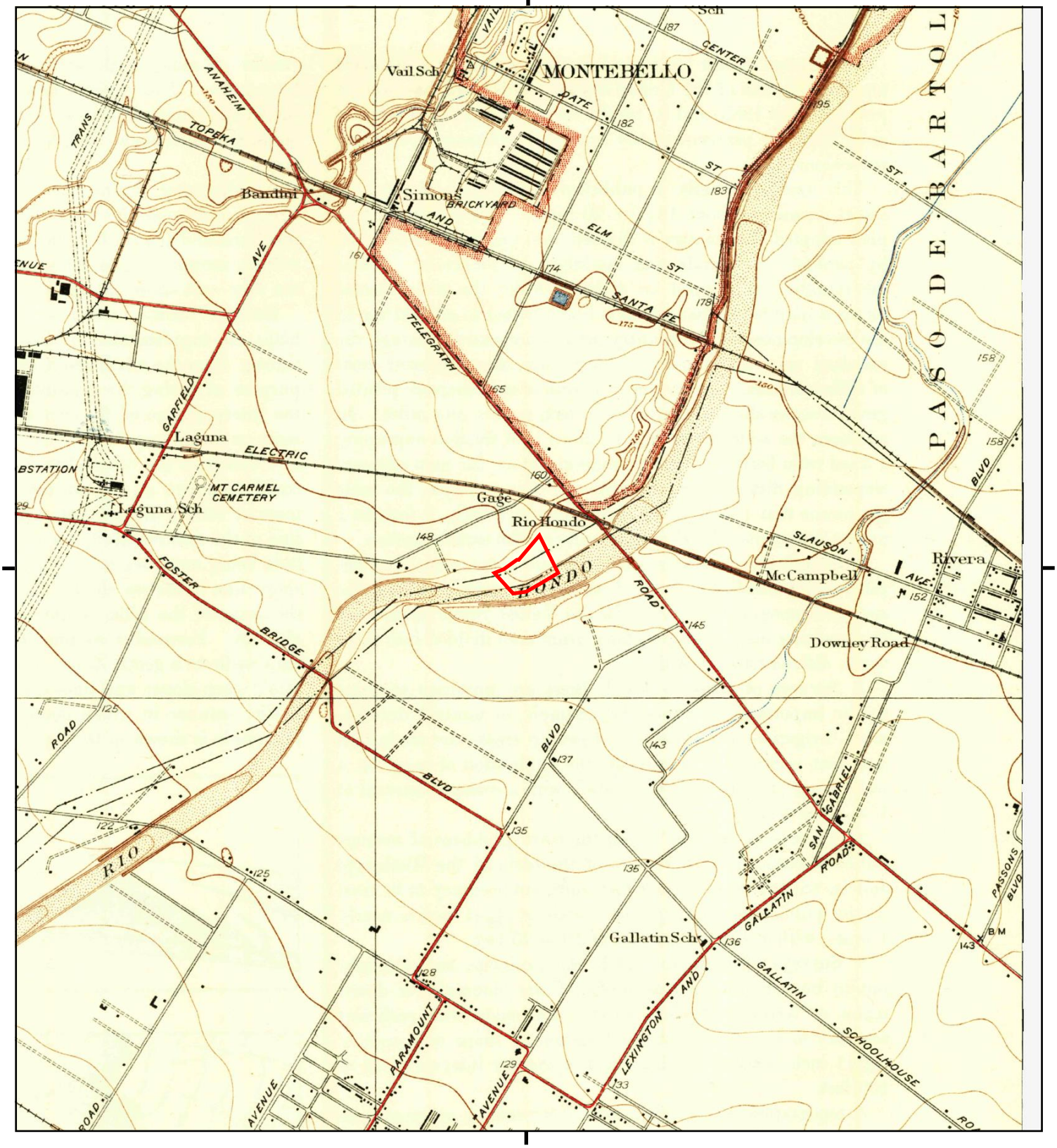
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1942, 15-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

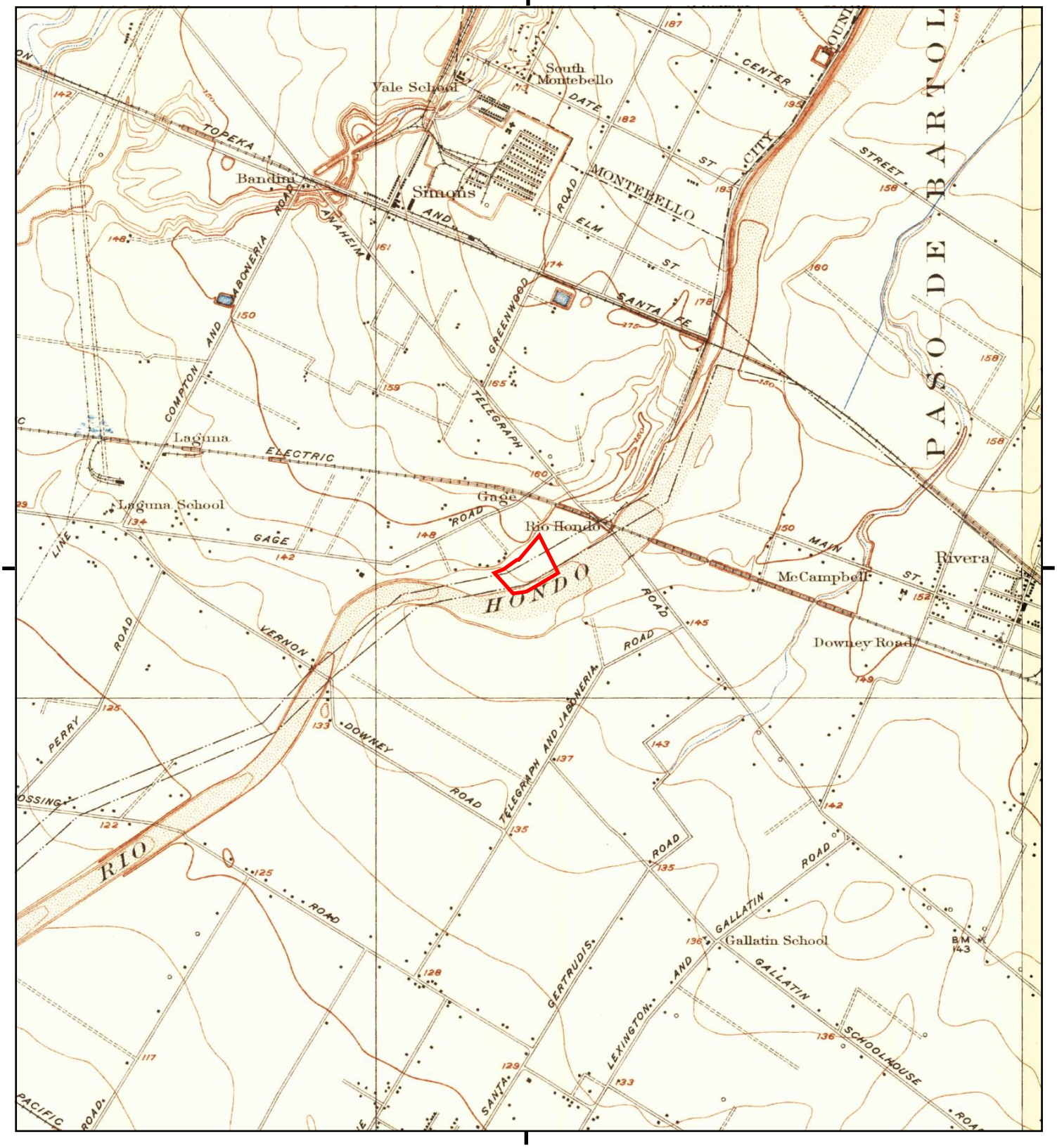
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bell, 1936, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

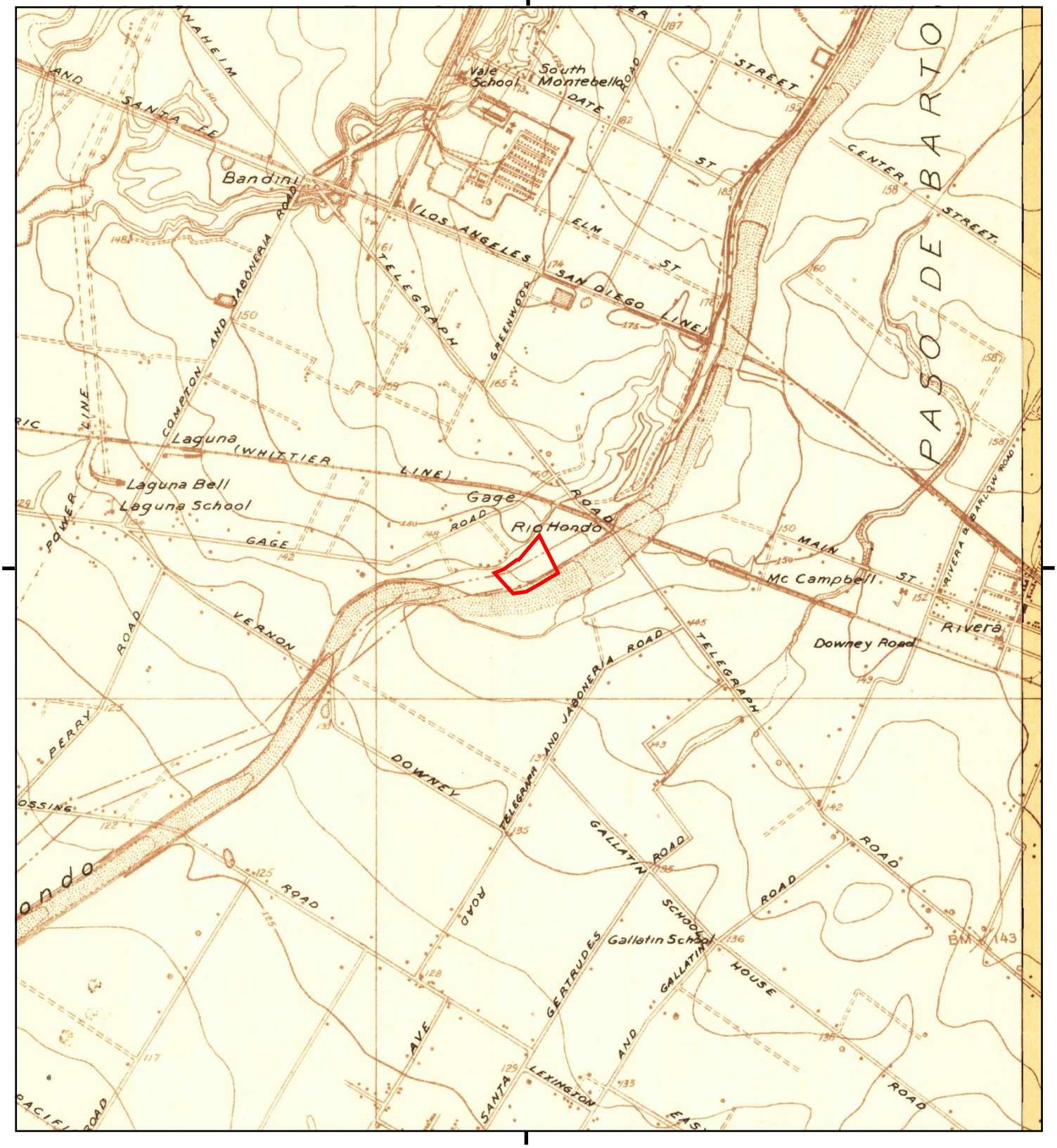
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bell, 1925, 7.5-minute
E, Whittier, 1925, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

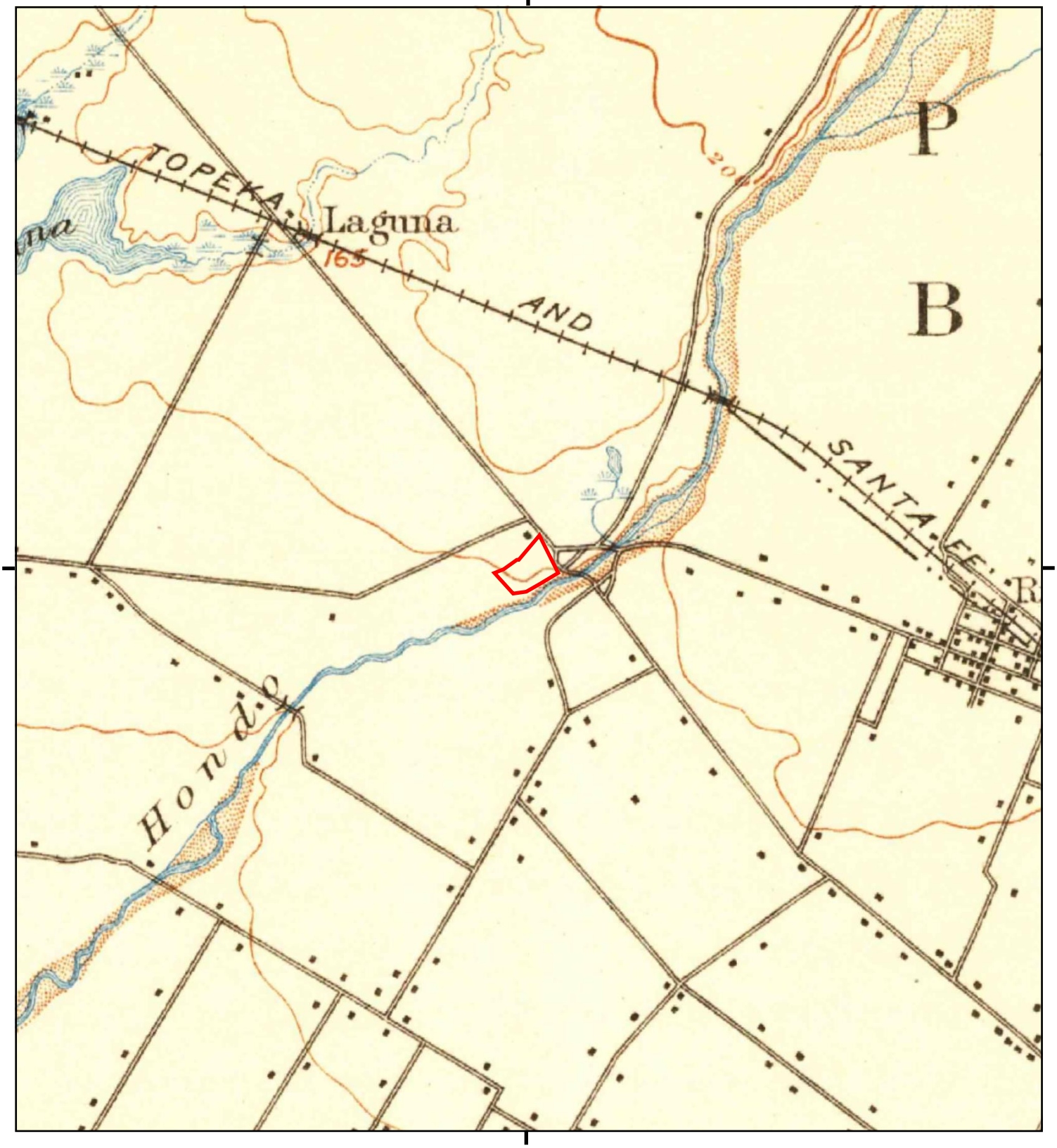
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Bell, 1923, 7.5-minute
E, Whittier, 1923, 7.5-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

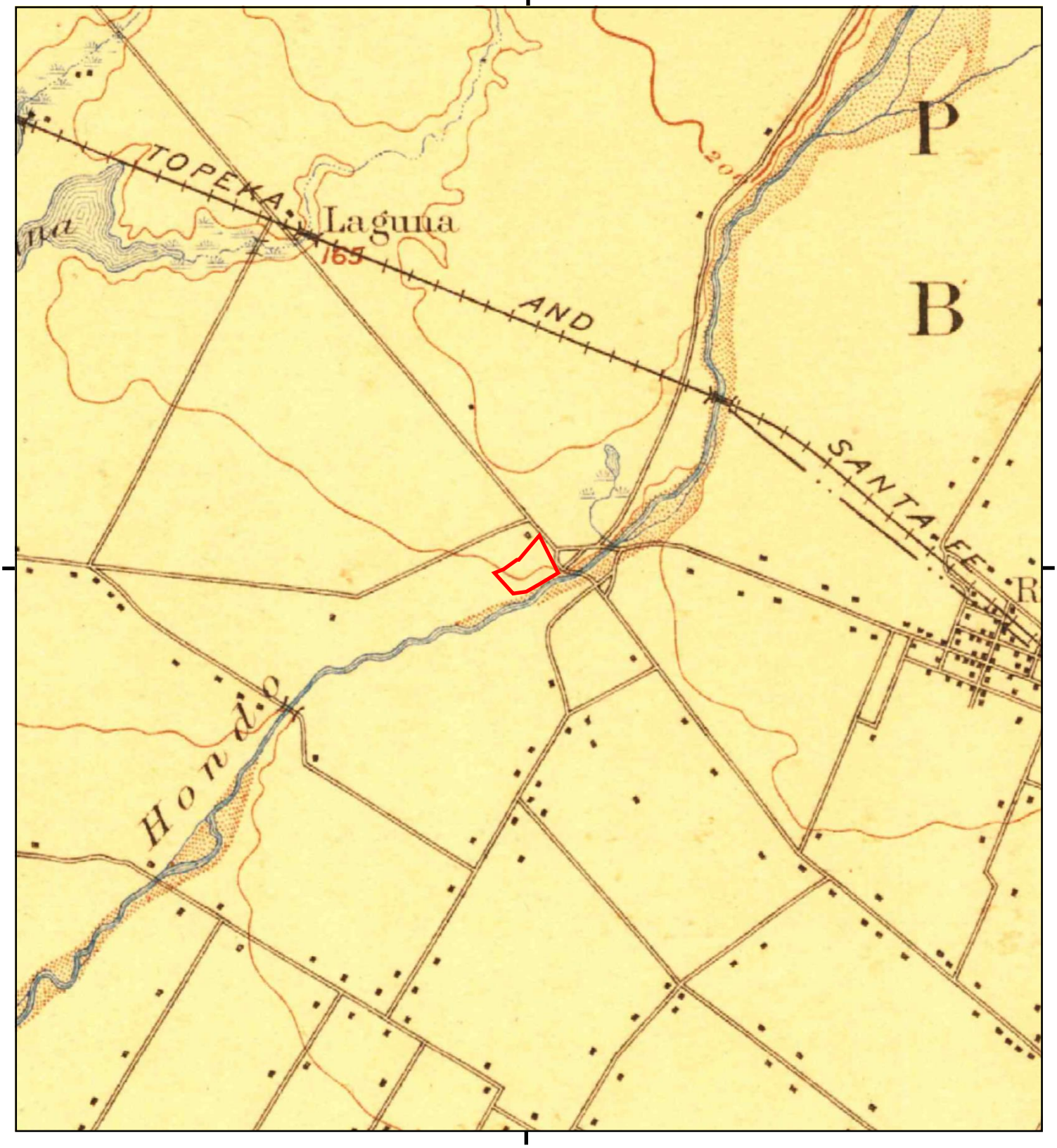
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1902, 15-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N



This report includes information from the following map sheet(s).

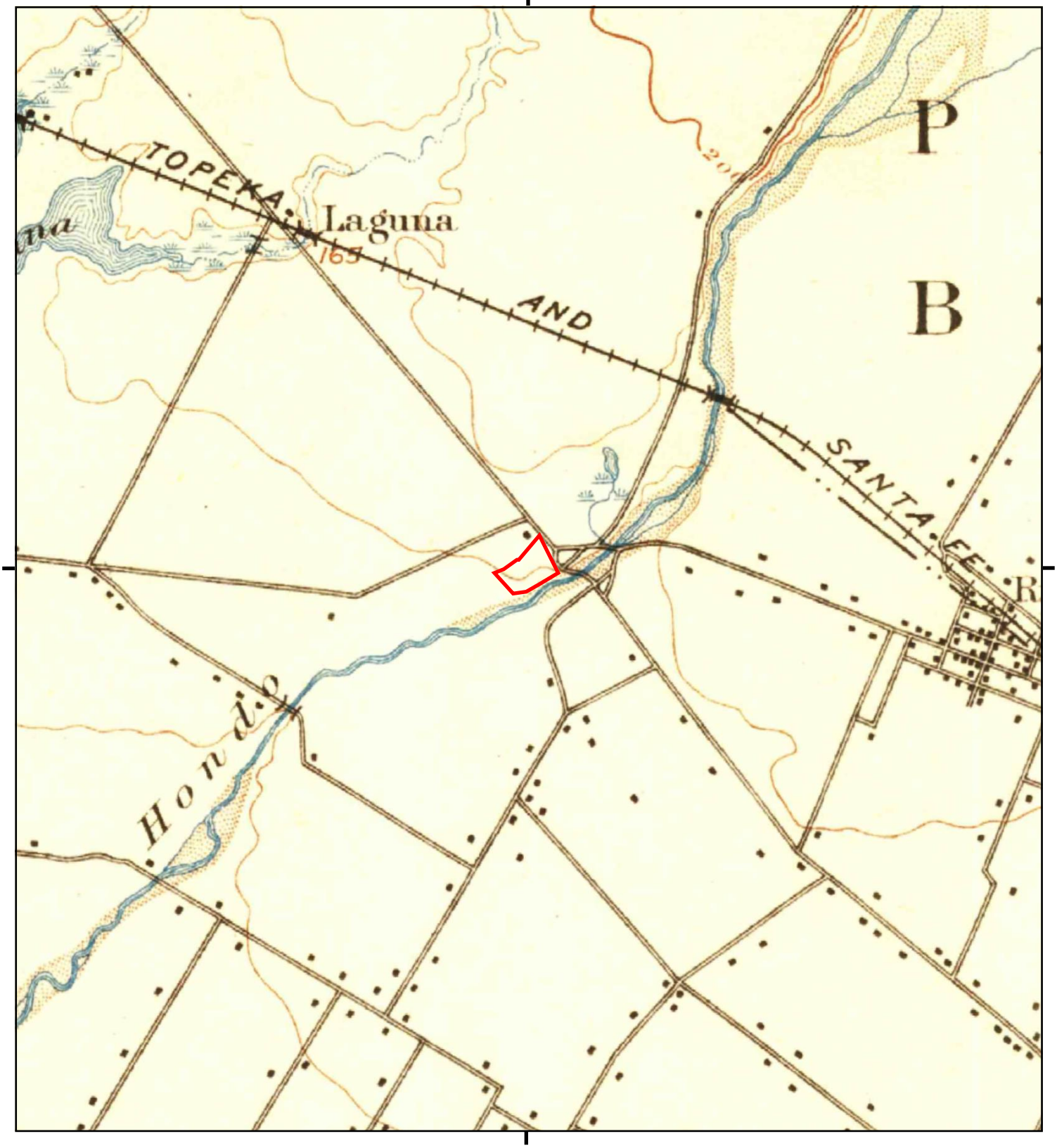
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Downey, 1899, 15-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

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
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TP, Downey, 1896, 15-minute

SITE NAME: Veterans Memorial Park
ADDRESS: 6364 Zindell Avenue
Los Angeles, CA 90040
CLIENT: SCS Engineers

N

Larry McGuire
Associate Senior
Underwriter, Title Service
Supervisor

Stewart Title Guaranty Company
Commercial Services (Los Angeles)
525 North Brand Blvd.
Glendale, CA 91203
Phone (818) 502-2723
Fax
LMCGUIRE@stewart.com

PRELIMINARY REPORT

Order No.	:	19000330959
Title Unit No.	:	11
Your File No.	:	
Buyer/Borrower Name	:	T/F
Seller Name	:	Commerce City and BHS Inc.

Property Address: 6357-019 - 905 Waste Disposal, Commerce, CA 90040
6357-019 - 904, Commerce, CA 90040
7222 E Gage Ave., Commerce, CA 90040

In response to the above referenced application for a Policy of Title Insurance, Stewart Title Guaranty Company Commercial Services (Los Angeles) hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Stewart Title Guaranty Company Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referenced to as an Exception on Schedule B or not excluded from coverage pursuant to the printed Schedules, Conditions, and Stipulations of said Policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on covered Risks of said policy or policies are set forth in Exhibit A attached. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limits of Liability for certain coverages are also set forth in Exhibit A. Copies of the policy forms should be read. They are available from the office which issued this report.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit A of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters, which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report, (and any supplements or amendments thereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance a binder or commitment should be requested.

Dated as of June 05, 2019 at 7:30 a.m.

Larry McGuire, Title Officer

When replying, please contact: Larry McGuire, Title Officer

PRELIMINARY REPORT

The form of Policy of Title Insurance contemplated by this report is:

☒ CLTA Standard Coverage Policy

☐ CLTA/ALTA Homeowners Policy

☐ 2006 ALTA Owner's Policy

☒ 2006 ALTA Loan Policy

☐ ALTA Short Form Residential Loan Policy

☐

SCHEDULE A

The estate or interest in the land hereinafter described or referred to covered by this report is:

A Fee

Title to said estate or interest at the date hereof is vested in:

BHS, Inc., a California corporation, as to Parcels 1 and 2

City of Commerce, a municipal corporation, as to Parcels 3 and 4

LEGAL DESCRIPTION

The land referred to herein is situated in the State of California, County of Los Angeles, City of Commerce and described as follows:

APN: 6357-019-905, 6357-019-904, and 6357-018-006

That portion of Rancho San Antonio, in the City of Commerce, County of Los Angeles, State of California, described as follows:

PARCEL 1:

Beginning at the intersection of the Southeasterly line of Gage Avenue as described in the deed recorded on May 27, 1942 as Instrument No. 1364, in Book 19381, Page 57 of Official Records of said County, with the Northeasterly line of Tract No. 11591, as per map recorded in Book 212, Pages 39 and 40 of Maps, in the office of the County Recorder of said County; thence along said Northeasterly line South 42° 06' 25" East 595.67 feet to an angle point in the boundary line of the land described in the deed to Los Angeles By-Products Company, recorded on June 24, 1948 as Instrument No. 1189, in Book 27555, Page 233 of Official Records; thence along said boundary line South 87° 05' 25" East, 25.00 feet to an angle point therein; thence continuing along said boundary line North 38° 47' 26" East 407.45 feet; thence North 42° 06' 25" West 422.16 feet to a point in said Southerly line of Gage Avenue, distant North 64° 41' 00" East 438.70 feet from the point of beginning; thence South 64° 41' 00" West 438.70 feet along said Gage Avenue to the point of beginning.

PARCEL 2:

All that real property, situate in the City of Commerce, County of Los Angeles, State of California, being all that portion of that certain parcel of land described in deed to Pacific Electric Railway Company, recorded on December 23, 1957 in Book 56295 Page 373, Official Records, in the office of the County Recorder of said County, described as follows:

Beginning at the most Westerly corner of said land; thence along the boundary of said land South 87° 06' 25" East 25.00 feet and North 38° 47' 26" East 483.00 feet to the Northeasterly boundary of said land; thence along said Northeasterly boundary South 26° 11' 28" East, 55.18 feet to a line parallel with and 50 feet Southeasterly, measured at right angles, from that course in said boundary which has a bearing of North 38° 47' 26" East; thence along said parallel line and its Southwesterly prolongation South 38° 47' 26" West 485.58 feet to the Southwesterly boundary of said land; thence along said Southwesterly boundary North 42° 06' 25" West 71.15 feet to the point of beginning.

Except the title and exclusive right to all of the minerals and mineral ores of every kind and character, occurring 500 feet beneath the surface thereof, now known to exist or hereafter discovered upon, within or underlying said land or that may be produced therefrom, including without limiting the generality of the foregoing, all petroleum, oil, natural gas and other hydrocarbon substances and products derived therefrom, together with the exclusive and perpetual right of said grantor, its successors and assigns, of ingress and egress beneath the surface of said land to explore for, extract, mine and remove the same, and to make such use of said land beneath the surface as is necessary or useful in connection therewith; and other use thereof, which uses may include lateral or slant drilling, digging, boring or sinking of wells, shafts or tunnels to other lands not subject to those reservations and easements provided, however, that said grantor, its successors and assigns, shall not use the surface of said land in the exercise of any of said rights and shall not disturb the surface of said land or any improvements thereon or remove or impair the lateral or subjacent support of said land or any improvements thereon, and shall conduct no operations within 500 feet of the surface of said land, as excepted and reserved in the deed from Pacific Electric Railway Company, a corporation, recorded December 20, 1960.

Excepting Therefrom that portion as conveyed to the City of Commerce, a municipal corporation by Final Order & Judgment in Condemnation, recorded December 16, 1970 as Instrument No. 2705, Official

Records.

PARCEL 3:

That portion of the Rancho San Antonio, in the City of Commerce, County of Los Angeles, State of California, as per map recorded in Book 1 Page 389 of Patents, and of the Rancho Santa Gertrudes, in the County of Los Angeles, State of California, as per map recorded in Book 1 Pages 156 to 158 of Patents, in the office of the County Recorder of said County, described as a whole as follows:

Beginning at the intersection of the Southerly line of Tract No. 11591 as per Map recorded in Book 212, Pages 39 and 40 of Maps, records of said county, with the Westerly line of Meru Avenue, now Greenwood, as shown on said map of Tract No. 11591; thence Easterly and Northeasterly along said land mentioned Southerly line , the following courses and distance; South 89° 18' 26" East 385.77 feet, North 69° 19' East 208 feet to the true point of beginning; thence continuing North 69° 13' 19" East 162.18 feet; thence North 55° 05' East 244.45 feet to the Southerly terminus of Zindell Avenue, as shown on said map of Tract No. 11591; thence Easterly along said Southerly terminus, 33.92 feet to the most Easterly corner of said Tract No. 11591 and the Southwesterly line of the tract of land conveyed to John Sex by deed recorded in Book 13 Page 161 of Deeds; thence along said Southwesterly line, South 41° 54' East 595.81 feet to a point; thence South 81° 06' West 86 feet South 81° 03' West 411.07 feet, more or less, to a point bearing South 41° 54' East from the true point of beginning, said point being the Southeast corner of the parcel of land described in the deed to Rocky Mountain Service Inc., a Utah corporation, recorded October 3, 1956 as Instrument No. 568; thence alond the Easterly lien of said land in said deed, North 41° 54' West 422.99 feet to the true point of beginning.

Excepting that portion of said land with Parcel 35, as described in an action to condemn said parcel for flood control purposes, Superior Court Los Angeles County, Case No. 590754; a certified copy of the final decree of condemnation entered January 13, 1953 in said action, being recorded January 19, 1953 in Book 40766 Page 236 of Official Records.

Also except therefrom all oil, gas, and other minerals in or under said lands, as reserved by California Trust Company by deed recorded April 17, 1944 in Book 20838 Page 147 of Official Records.

PARCEL 4:

That portion of the Rancho San Antonio, in the City of Commerce, County of Los Angeles, State of California, as per map recorded in Book 1, Page 389 of Patents, in the office of the County Recorder of said county, described as a whole as follows:

Beginning at the most Easterly corner of Lot 11 of Tract No. 11591, as per sap recorded in Book 212, Pages 39 and 40 of Maps, records of said county; then South 69° 13' 19" west along the Southeasterly boundary of said Lot 11 distance of 21.30 feet to the true point of beginning. Thence continuing South 69° 13' 19" West 34.24 feet to a point in a curve concave to the North having a radius of 55.00 feet through which a radial line of said curve bears South 56° 37' 11" West; Thence Easterly along said curve 71.44 feet through an angle of 74° 25' 32" to a point in a line bearing South 41° 54' East from the true point of beginning, said point being in the Easterly line of the parcel of land described in the deed to Rocky Mountain Service Inc., a Utah corporation, recorded October 3, 1956 as Instrument No. 568; Thence North 41° 54' West thereon 46.02 feet to the true point of beginning.

Except therefrom all oil, gas, and other minerals in or under said lands, as reserved by California Trust Company by deed recorded April 17, 1944 in Book 20838 Page 147 of Official Records.

APN: 6357-019-905, 6357-019-904, and 6357-018-006
(End of Legal Description)

THE MAP ATTACHED THROUGH THE HYPERLINK ABOVE IS BEING PROVIDED AS A COURTESY AND FOR INFORMATION PURPOSES ONLY; THIS MAP SHOULD NOT BE RELIED UPON. FURTHERMORE, THE PARCELS SET OUT ON THIS MAP MAY NOT COMPLY WITH LOCAL

SUBDIVISION OR BUILDING ORDINANCES. THERE WILL BE NO LIABILITY, RESPONSIBILITY OR INDEMNIFICATION RELATED TO ANY MATTERS CONCERNING THE CONTENTS OR ACCURACY OF THE MAP.

SCHEDULE B

At the date hereof, exceptions to coverage in addition to the printed exceptions and exclusions contained in said policy or policies would be as follows:

Taxes:

A. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes, to be levied for the fiscal year 2019 – 2020.

B. General and special city and/or county taxes, bonds or assessments which may become due on said land, if an when title to said land is not longer vested in a government or quasi-governmental agency. Tax parcel(s) for said land are currently shown as APN: 6357-019-904.

   Said Matter Affects: Parcel 3

C. General and special city and/or county taxes, bonds or assessments which may become due on said land, if an when title to said land is not longer vested in a government or quasi-governmental agency. Tax parcel(s) for said land are currently shown as APN: 6357-019-905.

   Said Matter Affects: Parcel 4

D. The lien of supplemental taxes, if any, assessed pursuant to the provisions of chapter 3.5 (commencing with section 75) of the revenue and taxation code of the State of California and assessments, for community facility districts affecting said land which may exist by virtue of assessment maps or notices filed by said districts.

Exceptions:

1. Water rights, claims or title to water in or under said land, whether or not shown by the public records.

2. Minerals of whatsoever kind, subsurface and surface substances, including but not limited to coal, lignite, oil, gas, uranium, clay, rock, sand and gravel in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not appearing in the Public Records or listed in Schedule B. The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

   +++++++ The Following Matters Affect Parcels 1 and 2 ++++++

3. An easement for utilities, public and/or private and rights incidental thereto as set forth in a document recorded May 24, 1956 as Instrument No. 3717 of Official Records, affects as described therein.

   Said Matter Affects: Parcel 1

4. A agreement dated December 19, 1957 executed by and between Pacific Electric Railway Company, a corporation, and International Paper Company, a corporation, relating to the granting of easements over he Northwesterly 20 feet of said land to various Governmental Bodies and public utilities and to said paper company for the purposes and upon the terms, provisions and covenants therein contained, recorded January 27, 1958 in Book 56433 Page 334 of Official Records.

   Reference is made to said document for full particulars.

Said Matter Affects: Parcel 2

5. An easement for public utilities and rights incidental thereto in favor of Southern California Edison Company as set forth in a document recorded March 17, 1958 in Book D45 Page 407 of Official Records.

   Said matter affects a portion of said land as more particularly described in said document.

   Said Matter Affects: Portion of Parcel 2

6. The non-exclusive and perpetual right of way to lay, construct, maintain, operate, repair, renew, change the size of and remove one or more pipe lines and one or more service connections at any time and from time to time with metering , regulating and other equipment for the conveyance of water, with the right of ingress and egress and regress to and from the same in, over, under, though, along, across and upon any part or parts of a strip of land, 6 feet in width, situated in the County of Los Angeles, in the Rancho San Antonio, being that portion of the land described in deed to Pacific Electric Railway Company recorded in Book 56295 Page 373 of Official Records.

   Together with the right to lay, construct, maintain, repair, operate and remove one or more service connections and/or pipe lines through any part of the above described propety, as granted to Park Water Company, a corporation by deed recorded April 30, 1958 in Book D87 Page 12 of Official Records.

   Said Matter Affects: Parcel 2

7. An easement for right to construct, maintain, operate and use sanitary sewers and appurtenant structures in and across the real property and rights incidental thereto in favor of County of Los Angeles as set forth in a document recorded June 18, 1958 in Book D130 Page 276 of Official Records.

   Said matter affects a portion of said land as more particularly described in said document.

   Said Matter Affects: Parcel 2

8. An easement for roadway and rights incidental thereto as set forth in a document recorded December 20, 1960 as Instrument No. 1402 of Official Records, affects Southwesterly 30 feet of Parcel 2.

9. The right to drill and maintain well holes through the said land for the purpose of removing oil, gas and other hydrocarbon substances from other lands whether such other lands be adjacent, contiguous or distant from said lands, as reserved in the deed above mentioned.

10. The right to make connection with such sewer, gas and water lines as may now or hereafter exist on said property, provided, however, that in the event grantee or its successors or assigns pave or otherwise improve the surface over the area in which such sewer, gas and water lines are located, then grantor , its successors or assigns, in making such connection, shall return and restore said improvements to the conditions in which they existed at the time of making said connection, as reserved in the deed above mentioned.

11. An easement for street, public utility and municipal purposes and rights incidental thereto in favor of The City of Commerce, a municipal corporation as set forth in a document recorded May 25, 1965 as Instrument No. 3089 of Official Records.

    Said matter affects a portion of said land as more particularly described in said document.

    Said Matter Affects: Parcel 2

12. The fact that said land is included within a project area of the Project Area No. 1 Community Redevelopment Agency, and that proceedings for the redevelopment of said project have been

instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the redevelopment plan) as disclosed by a document recorded July 26, 1974 as Instrument No. 4569 of Official Records.

And recorded July 25, 1974, as Instrument/File No. 2417, of Official Records.

13. A Deed of Trust to secure performance under an agreement referred to therein, and any other obligations secured thereby:

Trustor:	Good Stuff Food Company, Inc., a California corporation (formerly Langendorf United Bakeries, Inc., a Delaware Corporation)
Trustee:	Chicago Title Company, a California corporation
Beneficiary:	Credit Managers Association of California, as Trustee for the benefit of all unsecured creditors of Trustor and as agent for the informal committee of creditors holding unsecured claims against Trustor
Recorded:	August 2, 1991 as Instrument No. 91-1206455 of Official Records

14. A covenant and agreement upon the terms and conditions therein executed by BHS, Inc., in favor of City of Commerce and recorded December 5, 1997 as Instrument/File No. 97-1921925, of Official Records.

    Reference is made to said document for full particulars.

15. Deed of Trust to secure an indebtedness in the amount shown below, and any other obligations secured thereby:

Amount:	$4,000,000.00
Dated:	August 25, 2005
Trustor:	BHS, Inc., a California corporation
Trustee:	United Title Company
Beneficiary:	California Bank & Trust
Recorded:	September 2, 2005 as Instrument No. 05-2123824 of Official Records

16. An unrecorded lease with certain terms, covenants and provisions set forth therein

Lessor:	BHS, Inc.
Lessee:	Escon Corporation
Disclosed by:	Subordination Agreement-Lease
Recorded:	September 2, 2005
Instrument/File No.:	05-2123825, of Official Records

    The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

    Said lease was subordinated to the Deed of Trust referred to in exception no. 15 by an instrument recorded September 2, 2005 as Instrument No. 05-2123825, of Official Records.

    +++++++ The Following Matters Affect Parcels 3 and 4 ++++++

17. Covenants, conditions, and restrictions as set forth in instrument recorded April 17, 1944 in Book 20838 Page 147, Official Records, but omitted any covenant, condition or restriction, if any, based on race, color, religion, sex, handicap, familial status or national origin unless and only to the extent that the Covenant, condition or restriction; (a) is exempt under title 42 of the united states code; or (b) relates to handicap, but does not discriminate against handicapped persons.

    Note: section 12956.1 of the government code provides the following: if this document contains any restrictions based on race, color, religion, sex, familial status, marital status, disability, national

origin, or ancestry, that restriction violates state and federal fair housing laws and is void, and may be removed pursuant to section 12956.1 of the government code. Lawful restrictions under state and federal law on the age of occupants in senior housing or for older persons shall not be construed as restrictions based on familial status.

Said Covenants, Conditions, and Restrictions provide that a violation thereof shall not defeat or render invalid the lien of any mortgage or deed of trust made in good faith and for value.

Said Matter Affects: Parcel 3

18. The fact that said land is included within a project area of the Project Area No. 1 Community Redevelopment Agency, and that proceedings for the redevelopment of said project have been instituted under the Redevelopment Law (such redevelopment to proceed only after the adoption of the redevelopment plan) as disclosed by a document recorded September 25, 1974 as Instrument No. 2417 of Official Records.

    And recorded July 26, 1974, as Instrument/File No. 4569, of Official Records.

19. Title to, and easements in, any portion of the land lying within any highways, roads, streets, or other ways.

    +++++++ The Following Matters Affect All Parcels ++++++

20. Rights of tenants in possession of said land by reason of unrecorded leases. Kindly forward said lease, or a current certified tenant rent roll.

21. Matters which may be disclosed by an inspection or by a survey of said land satisfactory to this Company or by inquiry of the parties in possession thereof.

22. An inspection of said land has been ordered, upon its completion we will advise you of our findings.

    typist/ zd

(End of Exceptions)

NOTES AND REQUIREMENTS

A. If an Owners Policy will be requested, please be aware that unless instructed otherwise, we will issue a CLTA Standard Coverage Owners Policy. If a different form of policy is contemplated for this transaction, please advise and contact your title officer for additional requirements.

B. There are no conveyances affecting said land, recorded with the County Recorder within 24 months of the date of this report.

C. Property taxes for the fiscal year 2018 - 2019 shown below are paid. For proration purposes the amounts are:

1st Installment:	$28,705.40
2nd Installment:	$28,705.39
Parcel No.:	6357-018-002
Code Area:	06519

Said Matter Affects: Parcel 1

D. Property taxes for the fiscal year 2018 - 2019 shown below are paid. For proration purposes the amounts are:

1st Installment:	$3,375.62
2nd Installment:	$3,375.61
Parcel No.:	6357-018-006
Code Area:	06519

Said Matter Affects: Parcel 2

E. The requirement that Stewart Title be informed of what type of Title Insurance coverage/policies are being requested, so that we may provide you with any additional requirements or exceptions that we may have or that apply.

F. This Company will require that a full copy of any unrecorded leases be submitted to us, together with all supplements, assignments and amendments, before issuing any policy of title insurance.

G. General requirements relating to entity formation and authority documentation:

A. Corporations:

a. Certificate of good standing of recent date issued by the secretary of state of corporation's state of domicile.
b. Certified copy of a resolution of the board of directors authorizing the contemplated transaction and designating which corporate officers shall have the power to execute on behalf of the corporation.
c. Requirements which the company may impose following its review of the above material and other information which the company may require.

B. California Limited Partnerships:

a. a certified copy of the certificate of limited partnership (form lp-1) and any amendments thereto (form lp-2) to be recorded in the public records;
b. a full copy of the partnership agreement and any amendments;
c. satisfactory evidence of the consent of a majority in interest of the limited partners to the contemplated transaction;
d. requirements which the company may impose following its review of the above material and other information which the company may require.

C. Foreign Limited Partnerships:

a. a certified copy of the application for registration, foreign limited partnership (form lp-5) and any amendments thereto (form lp-6) to be recorded in the public records;
b. a full copy of the partnership agreement and any amendment;
c. satisfactory evidence of the consent of a majority in interest of the limited partners to the contemplated transaction;
d. requirements which the company may impose following its review of the above material and other information which the company may require.

D. General Partnerships:

a. a certified copy of a statement of partnership authority pursuant to section 16303 of the California corporation code (form gp-1), executed by at least two partners, and a certified copy of any amendments to such statement (form gp-7), to be recorded in the public records;
b. a full copy of the partnership agreement and any amendments;
c. requirements which the company may impose following its review of the above material required herein and other |information which the company may require.

E. Limited Liability Companies:

a. a copy of its operating agreement and any amendments thereto;
b. if it is a California limited liability company, a certified copy of its articles of organization (llc-1) and any certificate of correction (llc-11), certificate of amendment (llc-2), or restatement of articles of organization (llc-10) to |be recorded in the public records;
c. if it is a foreign limited liability company, a certified copy of its application for registration (llc-5) to be recorded in the public records;
d. with respect to any deed, deed of trust, lease, subordination agreement or other document or instrument executed by such limited liability company and presented for recordation by the company or upon which the company is asked to rely, such document or instrument must be executed in accordance with one of the following, as appropriate:

i if the limited liability company properly operates through officers appointed or elected pursuant to the terms of a written operating agreement, such documents must be executed by at least two duly elected or appointed officers, as follows: the chairman of the board, the president or any vice president, and any secretary, assistant secretary, the chief financial officer or any assistant treasurer;

ii. if the limited liability company properly operates through a manager or managers identified in the articles of organization and/or duly elected pursuant to the terms of a written operating agreement, such document must be executed by at least two such managers or by one manager if the limited liability company properly operates with the existence of only one manager.

e. requirements which the company may impose following its review of the above material and other information which the company may require.

F. Trusts:

a. a certification pursuant to section 18500.5 of the California probate code in a form satisfactory to the company.
b. copies of those excerpts from the original trust documents and amendments thereto which designate the trustee and confer upon the trustee the power to act in the pending transaction.
c. other requirements which the company may impose following its review of the material require herein and other information which the company may require.

H. Provide release/reconveyance instruments for deeds of trust of record as follows:

A. If institutional lender we must be provided a demand for payment. if serviced by other than the beneficiary we must be provided a copy of the loan servicing agreement.

B. If an individual lender we must be provided demand for payment together with the original note. Deed of trust and signed request for full reconveyance, request for full reconveyance must

be signed by both spouses if beneficial interest is in one spouse alone.

C. If beneficiary is a trust, we must be provided a full copy of said trust, together with the original note, deed of trust and signed request for full reconveyance.

D. If the loan is for a revolving line of credit, the account must be closed, otherwise we will hold an amount equal to the available credit limit.

I. It is the policy of this Company to make all required payoffs.

The Company will require current, written payoff demands addressed to Stewart Title or our escrow customer. noncurrent and expired demands will normally not be acceptable but they may be accepted at the discretion of the Company if verbal updating can be obtained.

The Company will hold an amount equal to one monthly mortgage payment until acceptance by the lender of our payoff on any noncurrent or expired beneficiary demand, whether or not verbally updated.

The Company will also hold an amount equal to one monthly mortgage payment until acceptance by the lender of our payoff on any demand which includes a payment made within 14 days of closing unless the Company has been provided with satisfactory proof of payment (i.e. a cancelled check or written confirmation of check clearance.)

Please be advised that the Company will require that the beneficiary or beneficiaries sign an estimated closing cost.

J. It is the policy of Stewart Title to collect all title charges and deduct said charges upon recording when Stewart Title is doing the payoff.

K. This Company will require the following documents, in order to insure a conveyance or encumbrance by the corporation or unincorporated association named below:

Entity: BHS, Inc., a California corporation

a. A copy of the corporation By-Laws or Articles.

b. An original or certified copy of the Resolution authorizing the subject transaction.

c. If the Articles or By-Laws require approval by a "parent" organization, we will also require a copy of those By-Laws or Articles.

d. If an unincorporated association, a statement pursuant to applicable law (such as California Corporation Code Section 20002).

The right is reserved to add requirements or additional items after completion of such review.

CALIFORNIA "GOOD FUNDS" LAW

California Insurance Code Section 12413.1 regulates the disbursement of escrow and sub-escrow funds by title companies. The law requires that funds be deposited in the title company escrow account and available for withdrawal prior to disbursement. Funds received by Stewart Title Guaranty Company Commercial Services (Los Angeles) via wire transfer may be disbursed upon receipt. Funds received via cashier's checks or teller checks drawn on a California Bank may be disbursed on the next business day after the day of deposit. If funds are received by any other means, recording and/or disbursement may be delayed, and you should contact your title or escrow officer. All escrow and sub-escrow funds received will be deposited with other escrow funds in one or more non-interest bearing escrow accounts in a financial institution selected by Stewart Title Guaranty Company Commercial Services (Los Angeles). Stewart Title Guaranty Company Commercial Services (Los Angeles) may receive certain direct or indirect benefits from the financial institution by reason of the deposit of such funds or the maintenance of such accounts with the financial institution, and Stewart Title Guaranty Company Commercial Services (Los Angeles) shall have no obligation to account to the depositing party in any manner for the value of, or to pay to such party, any benefit received by Stewart Title Guaranty Company Commercial Services (Los Angeles). Such benefits shall be deemed additional compensation to Stewart Title Guaranty Company Commercial Services (Los Angeles) for its services in connection with the escrow or sub-escrow.

If any check submitted is dishonored upon presentation for payment, you are authorized to notify all principals and/or their respective agents of such nonpayment.

Larry McGuire
Associate Senior
Underwriter, Title Service
Supervisor

Stewart Title Guaranty Company
Commercial Services (Los Angeles)
525 North Brand Blvd.
Glendale, CA 91203
(818) 502-2723 Phone
(818) 241-9173 Fax
LMCGUIRE@stewart.com

Date : June 24, 2019
Escrow Officer : Sandy Hale
Escrow No. : 19000330959
Title Order No. : 19000330959
Property Address : 6357-019 - 905 Waste Disposal, Commerce, CA 90040
6357-019 - 904, Commerce, CA 90040
7222 E Gage Ave., Commerce, CA 90040

SELLER ACKNOWLEDGEMENT OF RECEIPT, UNDERSTANDING AND APPROVAL OF PRELIMINARY REPORT

The undersigned Seller(s) hereby acknowledge receipt of a copy of the Preliminary Report issued by Stewart Title Guaranty Company - Commercial Services under Order No. 19000330959, dated June 05, 2019 and hereby approves the legal description of subject property shown on Schedule A of the report.

Seller(s) Acknowledgement: Seller(s) herein warrant and confirm that, to Seller(s) knowledge, all Deeds of Trusts (e.g., mortgages, loans and lines of credit), liens, judgments and/or encumbrances affecting Seller(s) and subject property are reflected in the Preliminary Report. If not, Seller(s) will provide Escrow Holder with information to facilitate the pay-off and/or removal of any such items before or at the close of escrow.

The undersigned have received a copy of this acknowledgement as evidenced by the signature below.

Seller(s):

_____ _____

Commerce City BHS Inc.

Larry McGuire
Associate Senior
Underwriter, Title Service
Supervisor

Stewart Title Guaranty Company
Commercial Services (Los Angeles)
525 North Brand Blvd.
Glendale, CA 91203
(818) 502-2723 Phone
(818) 241-9173 Fax
LMCGUIRE@stewart.com

Date : June 24, 2019
Escrow Officer : Sandy Hale
Escrow No. : 19000330959
Title Order No. : 19000330959
Property Address : 6357-019 - 905 Waste Disposal, Commerce, CA 90040

BUYER ACKNOWLEDGEMENT OF RECEIPT, UNDERSTANDING AND APPROVAL OF PRELIMINARY REPORT

The undersigned Buyer(s) hereby acknowledge receipt of a copy of the Preliminary Report issued by Stewart Title Guaranty Company - Commercial Services under Order No. 19000330959, dated June 05, 2019 and hereby approves the legal description of subject property shown on Schedule A of the report.

Buyer(s) Approval of Preliminary Report: Buyer(s) herein hereby approves Items * of Schedule B of the report to be included in the Policy of Title Insurance as exceptions when written. Further, Buyer(s) hereby acknowledge receipt and approval of the Covenants, Conditions and Restrictions, and any and all Schedule B exceptions detailed above, for example, easements, right-of-ways, and restrictions, if any.

The undersigned have received a copy of this acknowledgement as evidenced by the signature below.

Buyer(s):

_____
T/F

EXHIBIT "A"

LEGAL DESCRIPTION

Order No.: 19000330959
Escrow No.: 19000330959

The land referred to herein is situated in the State of California, County of Los Angeles, City of Commerce and described as follows:

APN: 6357-019-905, 6357-019-904, and 6357-018-006

That portion of Rancho San Antonio, in the City of Commerce, County of Los Angeles, State of California, described as follows:

PARCEL 1:

Beginning at the intersection of the Southeasterly line of Gage Avenue as described in the deed recorded on May 27, 1942 as Instrument No. 1364, in Book 19381, Page 57 of Official Records of said County, with the Northeasterly line of Tract No. 11591, as per map recorded in Book 212, Pages 39 and 40 of Maps, in the office of the County Recorder of said County; thence along said Northeasterly line South 42° 06' 25" East 595.67 feet to an angle point in the boundary line of the land described in the deed to Los Angeles By-Products Company, recorded on June 24, 1948 as Instrument No. 1189, in Book 27555, Page 233 of Official Records; thence along said boundary line South 87° 05' 25" East, 25.00 feet to an angle point therein; thence continuing along said boundary line North 38° 47' 26" East 407.45 feet; thence North 42° 06' 25" West 422.16 feet to a point in said Southerly line of Gage Avenue, distant North 64° 41' 00" East 438.70 feet from the point of beginning; thence South 64° 41' 00" West 438.70 feet along said Gage Avenue to the point of beginning.

PARCEL 2:

All that real property, situate in the City of Commerce, County of Los Angeles, State of California, being all that portion of that certain parcel of land described in deed to Pacific Electric Railway Company, recorded on December 23, 1957 in Book 56295 Page 373, Official Records, in the office of the County Recorder of said County, described as follows:

Beginning at the most Westerly corner of said land; thence along the boundary of said land South 87° 06' 25" East 25.00 feet and North 38° 47' 26" East 483.00 feet to the Northeasterly boundary of said land; thence along said Northeasterly boundary South 26° 11' 28" East, 55.18 feet to a line parallel with and 50 feet Southeasterly, measured at right angles, from that course in said boundary which has a bearing of North 38° 47' 26" East; thence along said parallel line and its Southwesterly prolongation South 38° 47' 26" West 485.58 feet to the Southwesterly boundary of said land; thence along said Southwesterly boundary North 42° 06' 25" West 71.15 feet to the point of beginning.

Except the title and exclusive right to all of the minerals and mineral ores of every kind and character, occurring 500 feet beneath the surface thereof, now known to exist or hereafter discovered upon, within or underlying said land or that may be produced therefrom, including without limiting the generality of the foregoing, all petroleum, oil, natural gas and other hydrocarbon substances and products derived therefrom, together with the exclusive and perpetual right of said grantor, its successors and assigns, of ingress and egress beneath the surface of said land to explore for, extract, mine and remove the same, and to make such use of said land beneath the surface as is necessary or useful in connection therewith; and other use thereof, which uses may include lateral or slant drilling, digging, boring or sinking of wells, shafts or tunnels to other lands not subject to those reservations and easements provided, however, that said grantor, its successors and assigns, shall not use the surface of said land in the exercise of any of said rights and shall not disturb the surface of said land or any improvements thereon or remove or impair

the lateral or subjacent support of said land or any improvements thereon, and shall conduct no operations within 500 feet of the surface of said land, as excepted and reserved in the deed from Pacific Electric Railway Company, a corporation, recorded December 20, 1960.

Excepting Therefrom that portion as conveyed to the City of Commerce, a municipal corporation by Final Order & Judgment in Condemnation, recorded December 16, 1970 as Instrument No. 2705, Official Records.

PARCEL 3:

That portion of the Rancho San Antonio, in the City of Commerce, County of Los Angeles, State of California, as per map recorded in Book 1 Page 389 of Patents, and of the Rancho Santa Gertrudes, in the County of Los Angeles, State of California, as per map recorded in Book 1 Pages 156 to 158 of Patents, in the office of the County Recorder of said County, described as a whole as follows:

Beginning at the intersection of the Southerly line of Tract No. 11591 as per Map recorded in Book 212, Pages 39 and 40 of Maps, records of said county, with the Westerly line of Meru Avenue, now Greenwood, as shown on said map of Tract No. 11591; thence Easterly and Northeasterly along said land mentioned Southerly line , the following courses and distance; South 89° 18' 26" East 385.77 feet, North 69° 19' East 208 feet to the true point of beginning; thence continuing North 69° 13' 19" East 162.18 feet; thence North 55° 05' East 244.45 feet to the Southerly terminus of Zindell Avenue, as shown on said map of Tract No. 11591; thence Easterly along said Southerly terminus, 33.92 feet to the most Easterly corner of said Tract No. 11591 and the Southwesterly line of the tract of land conveyed to John Sex by deed recorded in Book 13 Page 161 of Deeds; thence along said Southwesterly line, South 41° 54' East 595.81 feet to a point; thence South 81° 06' West 86 feet South 81° 03' West 411.07 feet, more or less, to a point bearing South 41° 54' East from the true point of beginning, said point being the Southeast corner of the parcel of land described in the deed to Rocky Mountain Service Inc., a Utah corporation, recorded October 3, 1956 as Instrument No. 568; thence alond the Easterly lien of said land in said deed, North 41° 54' West 422.99 feet to the true point of beginning.

Excepting that portion of said land with Parcel 35, as described in an action to condemn said parcel for flood control purposes, Superior Court Los Angeles County, Case No. 590754; a certified copy of the final decree of condemnation entered January 13, 1953 in said action, being recorded January 19, 1953 in Book 40766 Page 236 of Official Records.

Also except therefrom all oil, gas, and other minerals in or under said lands, as reserved by California Trust Company by deed recorded April 17, 1944 in Book 20838 Page 147 of Official Records.

PARCEL 4:

That portion of the Rancho San Antonio, in the City of Commerce, County of Los Angeles, State of California, as per map recorded in Book 1, Page 389 of Patents, in the office of the County Recorder of said county, described as a whole as follows:

Beginning at the most Easterly corner of Lot 11 of Tract No. 11591, as per sap recorded in Book 212, Pages 39 and 40 of Maps, records of said county; then South 69° 13' 19" west along the Southeasterly boundary of said Lot 11 distance of 21.30 feet to the true point of beginning. Thence continuing South 69° 13' 19" West 34.24 feet to a point in a curve concave to the North having a radius of 55.00 feet through which a radial line of said curve bears South 56° 37' 11" West; Thence Easterly along said curve 71.44 feet through an angle of 74° 25' 32" to a point in a line bearing South 41° 54' East from the true point of beginning, said point being in the Easterly line of the parcel of land described in the deed to Rocky Mountain Service Inc., a Utah corporation, recorded October 3, 1956 as Instrument No. 568; Thence North 41° 54' West thereon 46.02 feet to the true point of beginning.

Except therefrom all oil, gas, and other minerals in or under said lands, as reserved by California Trust Company by deed recorded April 17, 1944 in Book 20838 Page 147 of Official Records.

APN: 6357-019-905, 6357-019-904, and 6357-018-006

(End of Legal Description)

AFFILIATED BUSINESS ARRANGEMENT DISCLOSURE STATEMENT

Date: June 24, 2019

Escrow No.: 19000330959

Property: 6357-019 - 905 Waste Disposal, Commerce, CA 90040
6357-019 - 904, Commerce, CA 90040
7222 E Gage Ave., Commerce, CA 90040

From: Stewart Title Guaranty Company - Commercial Services

This is to give you notice that Stewart Title Guaranty Company - Commercial Services ("Stewart Title") has a business relationship with Stewart Solutions, LLC, DBA – Stewart Specialty Insurance Services, LLC ("Stewart Insurance"). Stewart Information Services Corporation owns 100% of Stewart Insurance and Stewart Title of California. Because of this relationship, this referral may provide Stewart Title a financial or other benefit.

Set forth below is the estimated charge or range of charges for the settlement services listed. You are NOT required to use the listed provider(s) as a condition for purchase, sale, or refinance of the subject Property. THERE ARE FREQUENTLY OTHER SETTLEMENT SERVICE PROVIDERS AVAILABLE WITH SIMILAR SERVICES. YOU ARE FREE TO SHOP AROUND TO DETERMINE THAT YOU ARE RECEIVING THE BEST SERVICES AND THE BEST RATE FOR THESE SERVICES.

Stewart Insurance Settlement Service	***Charge or range of charges***
Hazard Insurance	$400.00 to $6,500.00
Home Warranty	$255.00 to $ 780.00
Natural Hazard Disclosure Report	$ 42.50 to $ 149.50

Exhibit A (Revised 06-03-11)

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990 EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.

4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.

5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.

6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.

3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.

4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.

6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE
EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:

   a. building;
   b. zoning;
   c. land use;
   d. improvements on the Land;
   e. land division;
   f. environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.

3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.

4. Risks:
   a. that are created, allowed, or agreed to by You, whether or not they appear in the Public Records;
   b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
   c. that result in no loss to You; or
   d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.

5. Failure to pay value for Your Title.

6. Lack of a right:
   a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
   b. in streets, alleys, or waterways that touch the Land.

This Exclusion does not limit the coverage described in Covered Risk 11 or 21.

7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:
* For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.
The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1% of Policy Amount or $2,500.00 (whichever is less)	$10,000.00
Covered Risk 18:	1% of Policy Amount or $5,000.00 (whichever is less)	$25,000.00
Covered Risk 19:	1% of Policy Amount or $5,000.00 (whichever is less)	$25,000.00
Covered Risk 21:	1% of Policy Amount or $2,500.00 (whichever is less)	$5,000.00

2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.

2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.

3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.

4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.

5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.

6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.

7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, which are not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.

2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.

3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.

4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.

5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.

2. Any facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.

3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.

4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.

5. (a) unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.

6. Any lien or right to a lien for services, labor or material not shown by the public records.

STG Privacy Notice
Stewart Title Companies

WHAT DO THE STEWART TITLE COMPANIES DO WITH YOUR PERSONAL INFORMATION?

Federal and applicable state law and regulations give consumers the right to limit some but not all sharing. Federal and applicable state law regulations also require us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand how we use your personal information. This privacy notice is distributed on behalf of the Stewart Title Guaranty Company and its title affiliates (the Stewart Title Companies), pursuant to Title V of the Gramm-Leach-Bliley Act (GLBA).

The types of personal information we collect and share depend on the product or service that you have sought through us. This information can include social security numbers and driver's license number.

All financial companies, such as the Stewart Title Companies, need to share customers' personal information to run their everyday business—to process transactions and maintain customer accounts. In the section below, we list the reasons that we can share customers' personal information; the reasons that we choose to share; and whether you can limit this sharing.

Reasons we can share your personal information.	Do we share	Can you limit this sharing?
For our everyday business purposes— to process your transactions and maintain your account. This may include running the business and managing customer accounts, such as processing transactions, mailing, and auditing services, and responding to court orders and legal investigations.	Yes	No
For our marketing purposes— to offer our products and services to you.	Yes	No
For joint marketing with other financial companies	No	We don't share
For our affiliates' everyday business purposes— information about your transactions and experiences. Affiliates are companies related by common ownership or control. They can be financial and non-financial companies. *Our affiliates may include companies with a Stewart name; financial companies, such as Stewart Title Company*	Yes	No
For our affiliates' everyday business purposes— information about your creditworthiness.	No	We don't share
For our affiliates to market to you — For your convenience, Stewart has developed a means for you to opt out from its affiliates marketing even though such mechanism is not legally required.	Yes	Yes, send your first and last name, the email address used in your transaction, your Stewart file number and the Stewart office location that is handling your transaction by email to optout@stewart.com or fax to 1-800-335-9591.
For non-affiliates to market to you. Non-affiliates are companies not related by common ownership or control. They can be financial and non-financial companies.	No	We don't share

We may disclose your personal information to our affiliates or to non-affiliates as permitted by law. If you request a transaction with a non-affiliate, such as a third party insurance company, we will disclose your personal information to that non-affiliate. [We do not control their subsequent use of information, and suggest you refer to their privacy notices.]

SHARING PRACTICES

How often do the Stewart Title Companies notify me about their practices?	We must notify you about our sharing practices when you request a transaction.
How do the Stewart Title Companies protect my personal information?	To protect your personal information from unauthorized access and use, we use security measures that comply with federal law. These measures include computer, file, and building safeguards.
How do the Stewart Title Companies collect my personal information?	We collect your personal information, for example, when you ▪ request insurance-related services ▪ provide such information to us We also collect your personal information from others, such as the real estate agent or lender involved in your transaction, credit reporting agencies, affiliates or other companies.
What sharing can I limit?	Although federal and state law give you the right to limit sharing (e.g., opt out) in certain instances, we do not share your personal information in those instances.

Contact us: If you have any questions about this privacy notice, please contact us at: **Stewart Title Guaranty Company, 1360 Post Oak Blvd., Ste. 100, Privacy Officer, Houston, Texas 77056**

Appendix D

Previous Environmental Reports

REPORT OF FOUNDATION INVESTIGATION
PROPOSED SOUTHEAST PARK RECREATIONAL FACILITIES
ZINDELL STREET
COMMERCE, CALIFORNIA
FOR THE
CITY OF COMMERCE

LEROY CRANDALL & ASSOCIATES

CONSULTING FOUNDATION ENGINEERS

1619 BEVERLY BOULEVARD · LOS ANGELES 26, CALIFORNIA
MAdison 9-3661

L. LEROY CRANDALL, C. E.
FREDRICK A. BARNES
LEOPOLD HIRSCHFELDT
RUSSELL C. WEBER, C. E.
J. D. KIRKGARD, C. E.
JAMES M. MCWEE, C. E.

November 29, 1963

Parks and Recreation Department
2535 Commerce Way
Commerce, California

(Our Job No. 63624)

Attention: Mr. Arnold Robles

Gentlemen:

Our "Report of Foundation Investigation, Proposed Southeast Park Recreation Facilities, Zindell Avenue, Commerce, California, for the City of Commerce" is herewith submitted.

The scope of the investigation was planned in collaboration with Mr. Arnold Robles and with the architectural firm of Anthony & Langford. We were advised of the general structural features of the proposed facilities by Anthony & Langford and by Russ Connors Associates, Structural Engineers. The results of our investigation and general recommendations for foundation design were discussed with Anthony & Langford and with Russ Connors Associates as the data were established.

The site is underlain by varying amount of existing fill up to 28 feet in depth. The fill consists of uncompacted soil with very large amounts of trash and debris including organic materials subject to decomposition. Such a fill will undergo very large settlements, not only under structural loadings but also under its own weight. The most satisfactory means of supporting the proposed structures would be the removal and replacing of the existing fill with properly compacted earth fill. Alternately, the community building and pavilions could be supported independently of the existing fill on drilled piling carried into the underlying natural soils. Because of the organic character of the fill, it must be expected that combustible and noxious gases will be given off from the fill. Differential settlements of utilities will also be a problem because of the poor characteristics of the existing fill. Recommendations for foundation support and for grading are presented in the report.

Respectfully submitted,

LeROY CRANDALL & ASSOCIATES

by LeRoy Crandall
LeRoy Crandall

LC-JK/ss
(3 copies submitted)

cc: Anthony & Langford (3)
Russ Connors Associates

REPORT OF FOUNDATION INVESTIGATION
PROPOSED SOUTHEAST PARK RECREATIONAL FACILITIES
ZINDELL AVENUE
COMMERCE, CALIFORNIA
FOR THE
CITY OF COMMERCE

SCOPE

This report presents the results of a foundation investigation of the site of the subject facilities. The locations of the facilities and our exploration borings are shown on Plate 1, Plot Plan.

It was known that the site was a former dump area and was underlain by appreciable fill. The investigation was authorized to determine the depth and characteristics of existing fill, the characteristics of the underlying natural soils, and to provide recommendations for foundation design of the proposed facilities.

The results of the field explorations and laboratory tests, which form the basis of our recommendations, are presented in the attached Appendix.

STRUCTURAL CONSIDERATIONS

The picnic pavilions or shelters, concession pavilion, bleachers, community building, and swimming pool, which comprise the planned recreational facilities, are identified and shown in plan on Plate 1. The picnic and concession pavilions will be 40-foot diameter reinforced concrete roof structures supported on four reinforced concrete columns. Downward column loads will be on the order of 20 to 25 kips; lateral column loads will be on the order of 4 or 5 kips. The picnic pavilions will not have exterior

walls but will be open structures; the concession pavilion will be enclosed and will contain food preparation and restroom facilities. Both the picnic and concession pavilions will have concrete floor slabs.

The bleachers will be of concrete construction poured in place on compacted earth fill. Dugouts will be constructed beneath portions of the bleachers, in which case the overlying reinforced concrete bleacher seating will be structurally supported. Wall loads in the dugout areas will be on the order of 4 kips per lineal foot.

The structural features of the community building are not definitely established at the present time. However, the building will be one-story high plus a basement and possibly a subbasement. Basement walls will be of reinforced concrete construction. Exterior walls above grade will be of masonry construction; the roof will be of wood construction.

SITE CONDITIONS

It was known prior to our explorations that the site was once a public dump. The area is currently used as a City playground. Except for temporary trailer facilities, the site was clear of existing buildings at the time of our explorations; some areas are presently paved.

Based on the exploration borings, the site is underlain by fill ranging up to 28 feet deep. The depth of fill at each boring location is shown on Plate 1 adjacent to the boring numbers. The fill contains some silty soils but is largely debris consisting of concrete, metal, wood, rubber, and paper. The characteristics of the fill at the boring locations are described in more detail on the boring logs in the Appendix. The fill is generally loose and uncompacted, and caving and raveling of the boring walls occurred within the fill during drilling. The

fill contains large amounts of organic materials and the strong odor of marsh gas was noticed during drilling. Although significant variations in the depth and characteristics of the fill are not anticipated between borings, such variations are possible in such fill deposits.

The underlying natural soils are primarily fine sand and silty sand with lesser deposits of silt and clay. The natural soils are generally firm. Groundwater was not encountered within the 50-foot maximum depth explored.

RECOMMENDATIONS

GENERAL

The existing fill is uncompacted soil with very large amounts of trash and debris including organic materials subject to decomposition. The fill will not provide unyielding support of either foundations, building floor slabs, or the swimming pool. Settlement of areas underlain by existing fill should be anticipated due to continuing subsidence of the fill; the settlement would be increased if new fill were to be placed over the existing fill or if appreciable moisture infiltration of the fill were to occur.

The most desirable means of supporting the proposed facilities and the only feasible way of supporting the bleachers and swimming pool, would be the removal and replacing of the existing fill with properly compacted earth fill. Alternately, the community building and pavilion structures, including floor slabs, could be supported on drilled piling carried into the underlying natural soils. If ultimate settlements on the order of six inches to one foot are acceptable, the floor slabs of the pavilions could be supported on a blanket of compacted fill without removing the entire existing fill.

Because of the organic content and future decomposition of the fill, combustible and noxious gas will be given off. Accordingly, if the existing fill is left in place, provisions must be taken to provide proper venting of the gas so as to prevent accumulation of the gas beneath floor slabs. Differential settlements must be expected to occur between buildings supported on properly compacted fill or on piling and utilities supported in the existing fill. Accordingly, flexible joints will be required in all utilities to allow for such differential settlements.

Recommendations for excavation and compaction of earth fill for support of foundations and recommendations for design of drilled piling are presented in the following sections.

FOUNDATIONS AND COMPACTED FILL

Excavation of the existing fill and the placing of compacted earth fill is believed to be the only feasible means of supporting the community building, bleachers, and swimming pool. The existing fill beneath the structures and beyond in plan a distance equal to the depth of fill should be excavated and removed. The fill is largely trash and debris and will not be satisfactory for reuse in the compacted fills. Required imported fill materials should consist of non-expansive and predominantly granular soils such as a silty sand. After removal of the existing fill, the exposed natural soils should be scarified to a depth of six inches, brought to optimum moisture content, and rolled with heavy compaction equipment; at least six passes of a heavy 60-inch-diameter sheepsfoot roller are recommended. All required fill should be placed in loose lifts not more than eight inches in thickness, brought to optimum moisture content, and compacted to at least 90% of the maximum

density obtainable by the ASTM Designation D1557-58T method of compaction modified to use three layers instead of five. To assure adequate structural support, the excavation of all existing fill, the reworking of the natural soils, and the compaction of all fill should be controlled and certified by a competent foundation engineer. Imported fill material should be similarly approved.

The bearing value of the resulting compacted fill will depend on the characteristics of the material used. However, if suitable material is used, the bearing value will be at least 2,000 pounds per square foot at a depth of two feet below the adjacent final grade or floor level. The settlement of the structures, supported on compacted fill, will be well within acceptable limits. The settlement due to the weight of the compacted fill itself will occur rapidly during the placing of the fill. For resisting lateral loads, a coefficient of friction of at least 0.4 could be used between concrete footings and floor slabs and the compacted fill. The passive resistance of the compacted fill may be assumed to be equal to the pressure developed by a fluid with a density of 250 pounds per cubic foot.

Basement walls and dugout walls will probably be formed and then backfilled. For design of such walls, it may be assumed that the backfill will exert a pressure equal to that developed by a fluid with a density of 30 pounds per cubic foot. Backfill against such walls should be mechanically compacted to at least 90% of the maximum density; flooding of the backfill should not be permitted.

If the compacted fill consists of predominantly granular material, floor slabs could be supported directly on the compacted subgrade. Otherwise, we would suggest that slabs be supported on at least four inches of gravel to break the flow of capillary moisture.

If the existing fill is removed and replaced with compacted fill as recommended, the swimming pool may be constructed in a normal manner. If the pool is to be constructed by gunite methods, the fill material should be sufficiently cohesive so as to be stable when excavated. If underlain by properly compacted fill, adequate support will be assured for the decking around the pool. As recommended for floor slabs, the pool decking should be underlain by at least four inches of gravel unless the compacted fill consists of predominantly granular soils. All utilities should be carefully planned; we would suggest that utilities for the pool be placed in an open pipe gallery, especially where constructed within the existing fill.

DRILLED PILES

Drilled piles may be feasible for the support of the picnic and concession pavilions. As previously discussed, provisions must be taken to allow for differential settlements between utilities and the buildings. If the upper existing fill is excavated and replaced for support of a slab on grade as discussed below, provisions should be taken to allow the floor slabs to settle roughly six inches to one foot with respect to the pile-supported columns.

The downward capacities of 18-inch and 24-inch-diameter drilled piles are presented on Plate 2, Drilled Pile Capacities. The capacities are presented as a function of penetration into natural soils; the supporting capacity of the existing fill should be neglected. Dead plus live load capacities are shown; a one-third increase may be used when considering wind or seismic loads. Because of the poor characteristics of the existing fill, downward frictional forces may be developed on the

upper portion of the piles. Accordingly, the pile shaft within the existing fill should be cased with Sonotube liners, or the piles extended into the natural soils to support the resulting downdrag loads. A downdrag load of 20 kips will occur in areas of where the depth of existing fill is roughly 15 feet.

The elevation of the surface of the natural soils at each boring location is indicated on Plate 1. For estimating required pile lengths, the surface of the natural soils between boring locations may be interpolated. However, we recommend that the installation of all piles be inspected by a competent foundation engineer, to assure the required penetration into the natural soils.

Piles in groups, if required, should be spaced at least 2½ diameters on centers; if so spaced, there will be no reduction in the downward capacities of the piles due to group action. Closely spaced piling should be drilled and filled alternately with the concrete permitted to set at least eight hours before drilling an adjacent hole. Caving and raveling of the drilled holes should be anticipated within the existing fill deposits.

The maximum ultimate settlement of the proposed picnic and concession pavilions, supported on drilled piling, will be less than one-fourth inch.

To provide more uniform support for floor slabs in the picnic and concession pavilions, if the slabs are not structurally supported, we recommend that the existing fill soils be excavated to a depth of four feet. The excavated and removed existing fill should be replaced with imported fill. The fill should be placed in loose lifts not more than eight inches in thickness, brought to optimum moisture content, and compacted to 90%.

As previously discussed, it should be anticipated that settlements of six inches to one foot may occur where floor slabs are supported on a layer of compacted fill which in turn is supported on the existing fill. Provisions should be taken to allow the slabs to settle with respect to the pile-supported columns. Also, provisions should be taken to allow differential settlement of utilities.

-oOo-

The following Plates and Appendix are attached and complete this report:

Plate 1 . . . . . Plot Plan

Plate 2 . . . . . Drilled Pile Capacities

Appendix . . . . . Explorations and Laboratory Tests

JOB 63024 DATE 11-27-63 DR EKL O.E. PM CHKD SY

ZINDELL AVENUE

B.M. – TOP OF CURB, ASSUMED EL. 100.0

1 (1)

(18½) 9

(28) 2

3 (24)

COMMUNITY BUILDING

4 (12)

(14½) 5

SWIMMING POOL

6 (13)

(14) 7

10 (11)

PICNIC PAVILIONS

8 (17)

BALLFIELDS

CONCESSION PAVILION

11 (8½)

(13½) 12

BLEACHERS

13 (15)

BORING NO.

DEPTH OF FILL IN FEET

PLOT PLAN

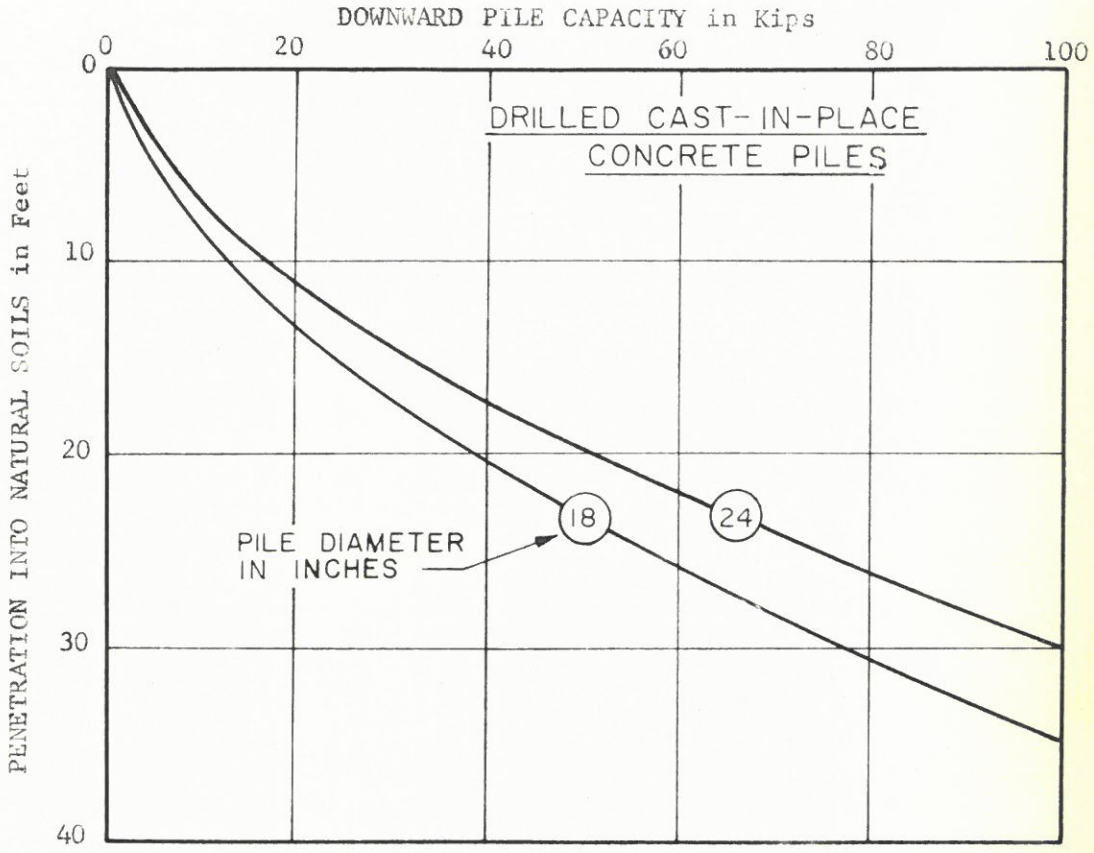
SCALE 1" = 80'

REFERENCE:
UNDATED LANDSCAPE PLAN PROVIDED BY
ANTHONY & LANGFORD, ARCHITECTS, A.I.A.

LEROY CRANDALL & ASSOCIATES

PLATE 1

JOB 63624 DATE 11-27-63 BY B.J.C. ms



NOTES: (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 2½ diameters on centers, and should be drilled and filled alternately with the concrete permitted to set at least 8 hours before drilling an adjacent hole

(3) The pile shafts within the fill should be lined with "Sonotube" liners, or the piles should be designed to resist a downward load due to downdrag of 20 kips in addition to the design load.

DRILLED PILE CAPACITIES

APPENDIX

EXPLORATIONS

The site of the subject facilities was explored by drilling 13 borings to depths ranging from 15 to 50 feet below the existing ground surface. The borings were drilled utilizing bucket-type drilling equipment under the supervision of our field engineer.

The soils encountered were logged by our field engineer, and undisturbed samples of the soils were obtained for laboratory inspection and testing. The boring logs are presented on Plate A-1A through A-1M; the depths at which undisturbed samples were obtained are indicated to the left of the boring logs. The soils are classified in accordance with the Unified Soil Classification System described on Plate A-2.

Groundwater was not encountered within the 50-foot maximum depth of exploration. Caving and raveling occurred during drilling within the existing fill soils. Casing or drilling mud was not required however, to advance the borings to the desired depths.

LABORATORY TESTS

The field moisture content and dry density of the soils were determined by testing the undisturbed samples. The test results are shown to the left of the boring logs.

Direct shear tests were performed on numerous undisturbed samples to determine the strength of the underlying natural soils. The tests were performed at field moisture content and at different surcharge pressures. The shear test results are shown on Plate A-3, Direct Shear Test Data.

Confined consolidation tests were performed on four undisturbed samples to determine the compressibility of the underlying natural soils. The results of the tests, which were performed at field moisture content, are presented on Plates A-4A and A-4B, Consolidation Test Data.

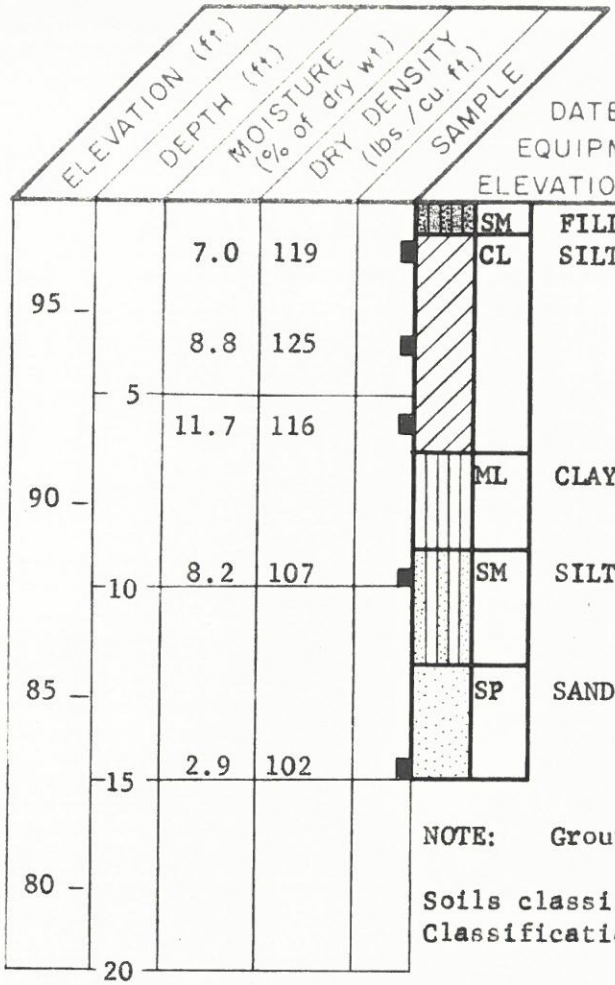
-oOo-

BORING 1

DATE DRILLED: September 24, 1963

EQUIPMENT USED: 18"-Diameter Rotary Bucket

ELEVATION 97.8 See Plate 1 for benchmark.



FILL - SILTY SAND - fine, brown

SILTY CLAY - reddish-brown

CLAYEY SILT - brown

SILTY SAND - fine, brown

SAND - fine, grey

NOTE: Groundwater not encountered; no caving.

Soils classified in accordance with the Unified Soil Classification System.

LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1A

BORING 2

ELEVATION : 96.6
DATE DRILLED : September 23, 1963
EQUIP. USED : 26"-Diameter Rotary Bucket from 0 to 26'.
18"-Diameter Rotary Bucket below 26'.

ELEVATION (ft)	DEPTH (ft)	MOISTURE (% of dry wt)	DRY DENSITY (lbs/cu ft)	SAMPLE		
95		7.2	105		SM	FILL - SILTY SAND - fine, brown Approximately 10% debris - chunks of concrete
	5	8.2	100			Approximately 40% debris - wood, metal, paper, rubber, etc.
90						Approximately 80% debris - predominantly wood and paper
	10					Large amount of charcoal
85						
	15					Approximately 20% chunks of concrete
80					ML	FILL - CLAYEY SILT - some sand, light brown
	20					70 - 80% debris - wood, paper, glass, metal, etc.
75						
	25					
70					SM	FILL - SILTY SAND - well graded, 20-30% debris, dark greyish-brown
					ML	SANDY SILT - mottled brown and greyish-brown
	30					
65		19.2	95			
		32.0	90			Layer of CLAYEY SILT
	35					
60						Patches of SILTY SAND
		26.5	94			
	40				SP	SAND - fine, brown
55						
		4.7	96			
	45					

NOTE: Groundwater not encountered. Slight to moderate raveling from 0' to 9' and heavy caving from 9' to 28'. Strong gassy odor.

JOB 63624 DATE 10-4-63 DR GMC OE 1-91 CHKD GL

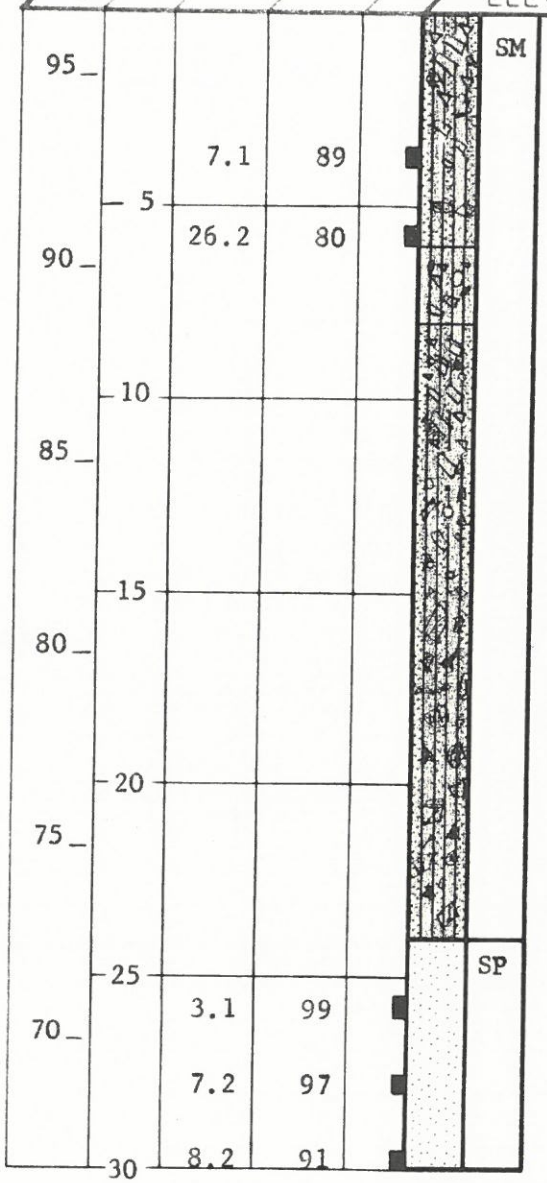
LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1B

BORING 3

DATE DRILLED: September 21, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 96.6



FILL - SILTY SAND - fine, brown
Approximately 40% debris - wood, metal, concrete, charcoal, etc.

Patches of fine sand

Layer of CLAYEY SILT - approximately 20% debris, grey

Dark grey
Approximately 80% debris - predominantly wood, some concrete, brick and metal

SAND - fine, grey

NOTE: Groundwater not encountered. Moderate raveling throughout the fill; moderate caving from 24' to 30'. Strong gassy odor.

LOG OF BORING

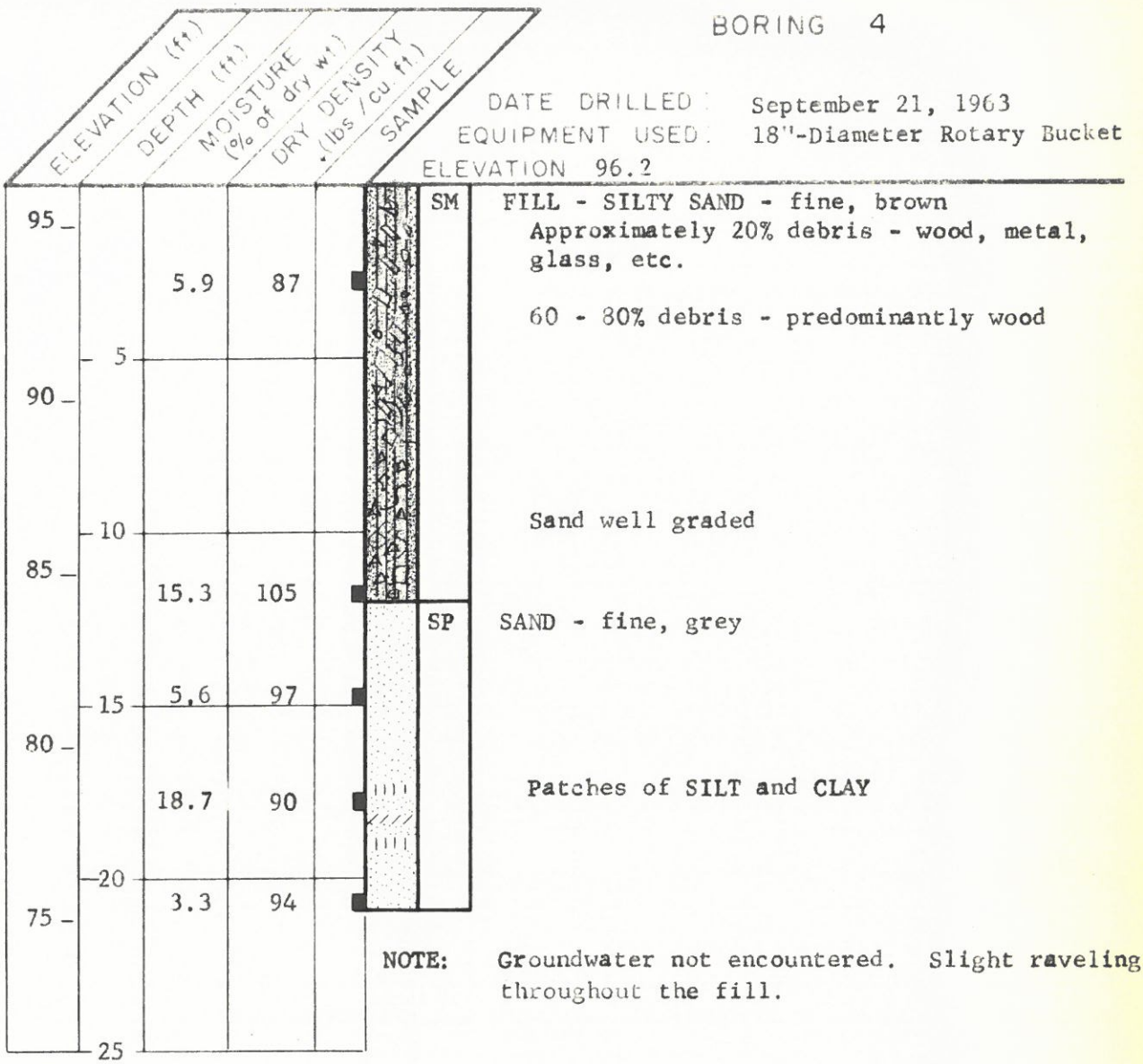
LEROY CRANDALL & ASSOCIATES

PLATE A-1C

JOB 63624 DATE 10-4-63 DR. GMC O.E. [illegible] CHKD [illegible]

BORING 4

DATE DRILLED: September 21, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 96.2



NOTE: Groundwater not encountered. Slight raveling throughout the fill.

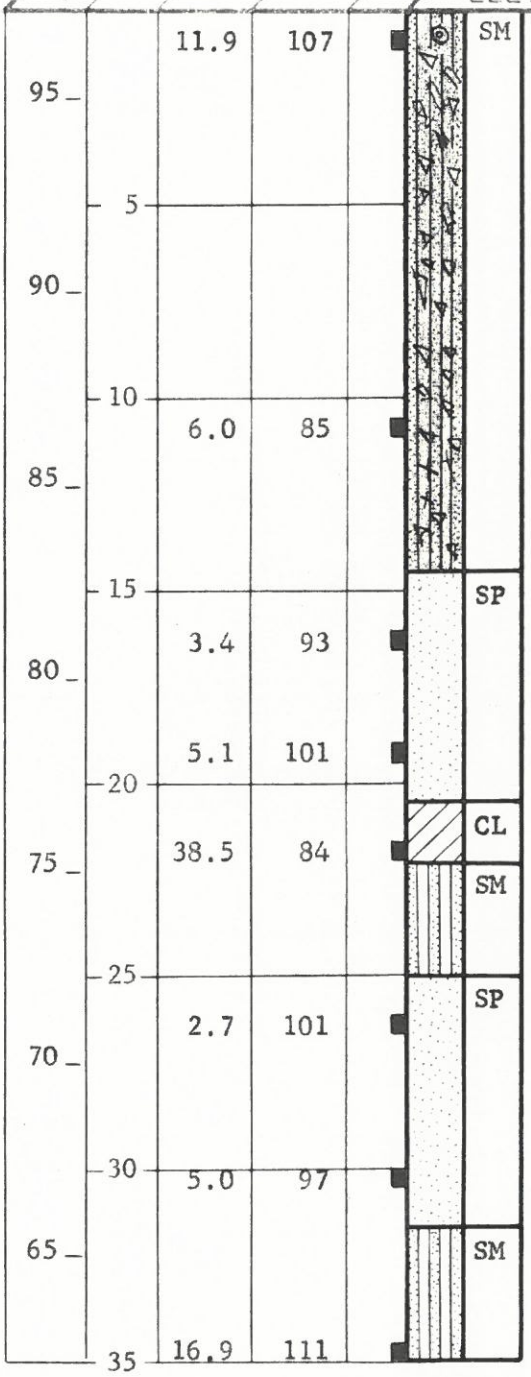
LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1D

BORING 5

DATE DRILLED: September 21, 1963
EQUIPMENT USED: 18'-Diameter Rotary Bucket
ELEVATION 97.3



FILL - SILTY SAND - fine, brown
Approximately 20% debris - metal, rubber, plastic, wood, chunks of concrete

60 to 80% debris -

Patches of SAND, 15 to 20% debris

Large amount of metal

SAND - fine, grey

SILTY CLAY - mottled brown and greyish-brown

SILTY SAND - fine, brown

SAND - fine, grey

SILTY SAND - fine, dark grey

NOTE: Groundwater not encountered; slight to moderate raveling from 3' to 14'.

LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1E

BORING 6

DATE DRILLED: September 20, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 97.6

ELEVATION (ft)	DEPTH (ft)	MOISTURE (% of dry wt.)	DRY DENSITY (lbs./cu. ft.)	SAMPLE		
95	0				SM	FILL - SILTY SAND - fine, 20 to 30% coarse gravel, few cobbles, brown
						Approximately 40% debris - chunks of asphaltic concrete, pieces of glass
	5					
90						Boulder 24" across
						Approximately 80% debris - wood, metal, glass, brick and wire
	10					
85		3.6	99		SP	SAND - fine, grey
	15					
		3.4	96			Well graded patches, light greyish-brown
80						
	20					
		7.2	94			Grey
75						
		21.2	96			
	25					Patches of CLAY - mottled brown
70						
						Layer of LEAN CLAY - brown
	30	11.5	107		SM	SILTY SAND - fine, brownish-grey
65					SP	SAND - fine, mottled brown and greyish-brown
	35	5.6	94			

NOTE: Groundwater not encountered; heavy caving and raveling from 3' to 7'.

LOG OF BORING

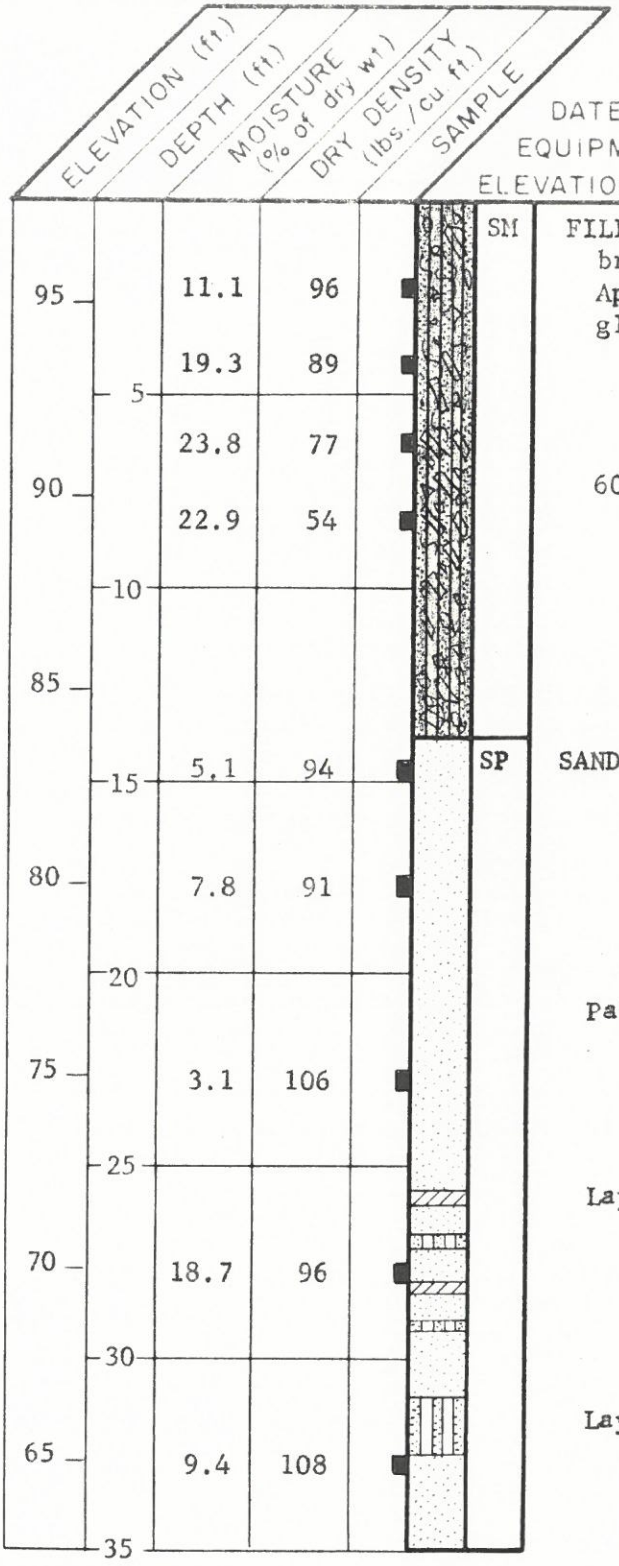
LEROY CRANDALL & ASSOCIATES

PLATE A-1F

JOB 63064 DATE 10-4-63 DR CMC O.E. FWI CHKD

BORING 7

DATE DRILLED: September 21, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 97.6



FILL - SILTY SAND - fine, patches of sand, brown
Approximately 40% debris - wood, wire, glass, plastic, etc.

60 - 80% debris - predominantly wood

SAND - fine, grey

Patches of LEAN CLAY

Layers of LEAN CLAY and SILTY SAND

Layer of SILTY SAND - fine, brown

NOTE: Groundwater not encountered. Moderate to heavy caving throughout the fill.

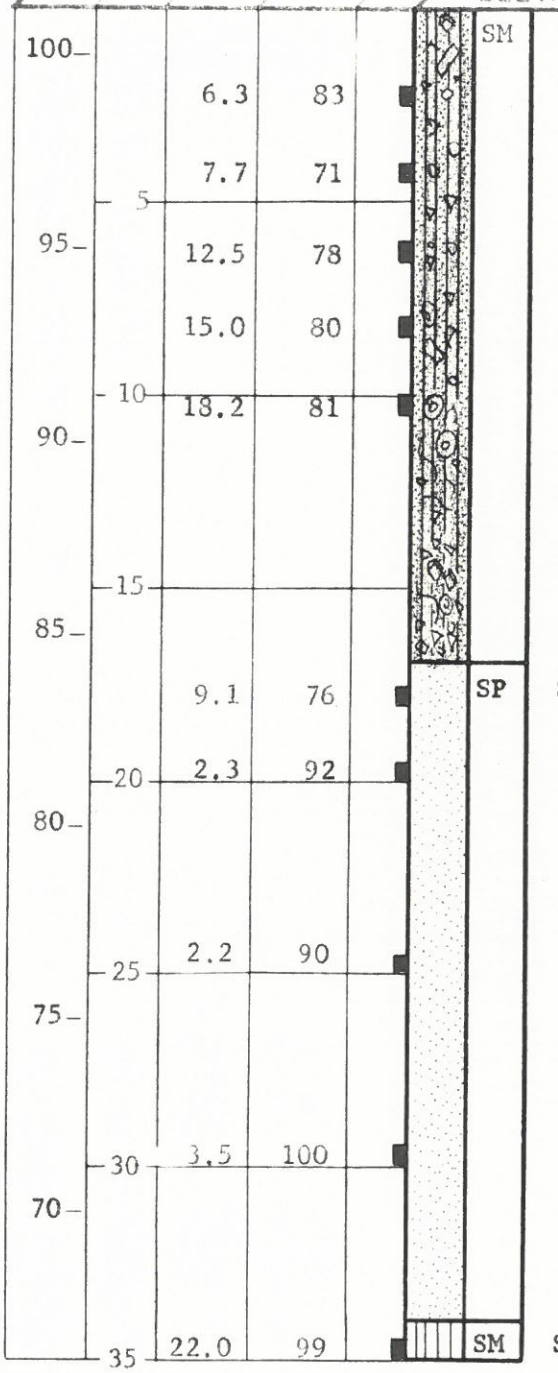
LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1C

BORING 8

DATE DRILLED September 20, 1963
EQUIPMENT USED 18"-Diameter Rotary Bucket
ELEVATION 101.2



FILL - SILTY SAND - fine, light brown
Approximately 10% debris - rubber, wood, tile, nails

Patches of SILT

20 - 30% debris - tires, wire

30 - 50% debris - wood, rubber, straw, wire

80 - 90% debris

5 - 10% debris

SAND - fine, layers of silty sand, grey

Brown

SANDY SILT - mottled brown and brownish-grey

NOTE: Groundwater not encountered. Moderate caving from 17' to 22'.

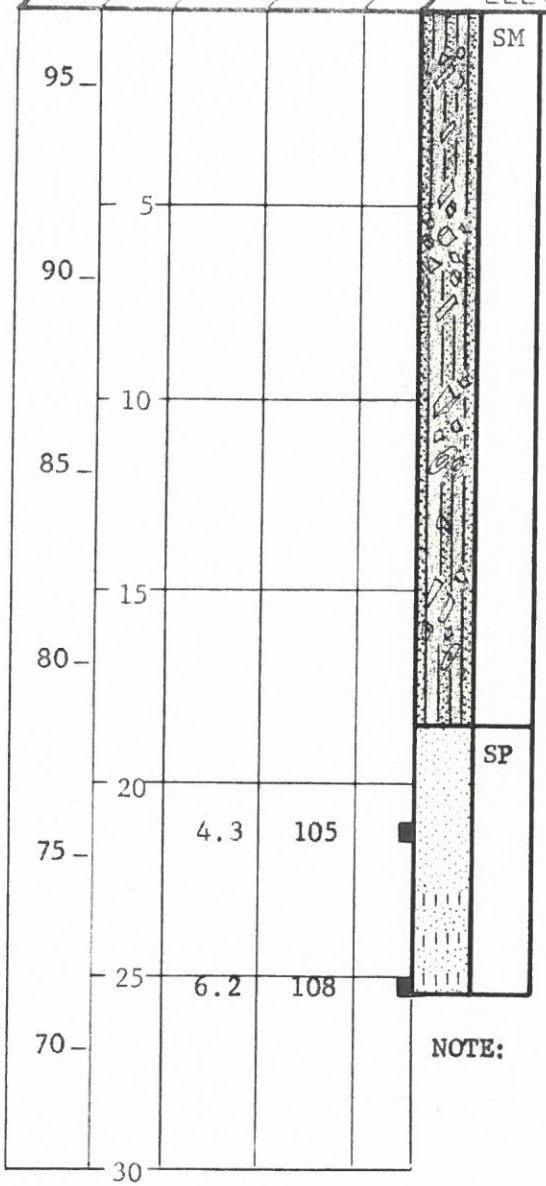
LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1H

BORING 9

DATE DRILLED: September 24, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 96.9



FILL - SILTY SAND - fine, brown
Approximately 10% debris - wood, concrete, brick, wire
Patches of SILT

Approximately 90% debris - predominantly tire casings
Debris - predominantly wood

Debris - predominantly metal

Debris - predominantly rubber gaskets

Approximately 40% debris - wood, metal, rubber

SAND - fine, greyish-brown

Brown

Patches of SILT - brown

NOTE: Groundwater not encountered. Moderate to heavy caving and raveling throughout the fill. Strong gassy odor.

LOG OF BORING

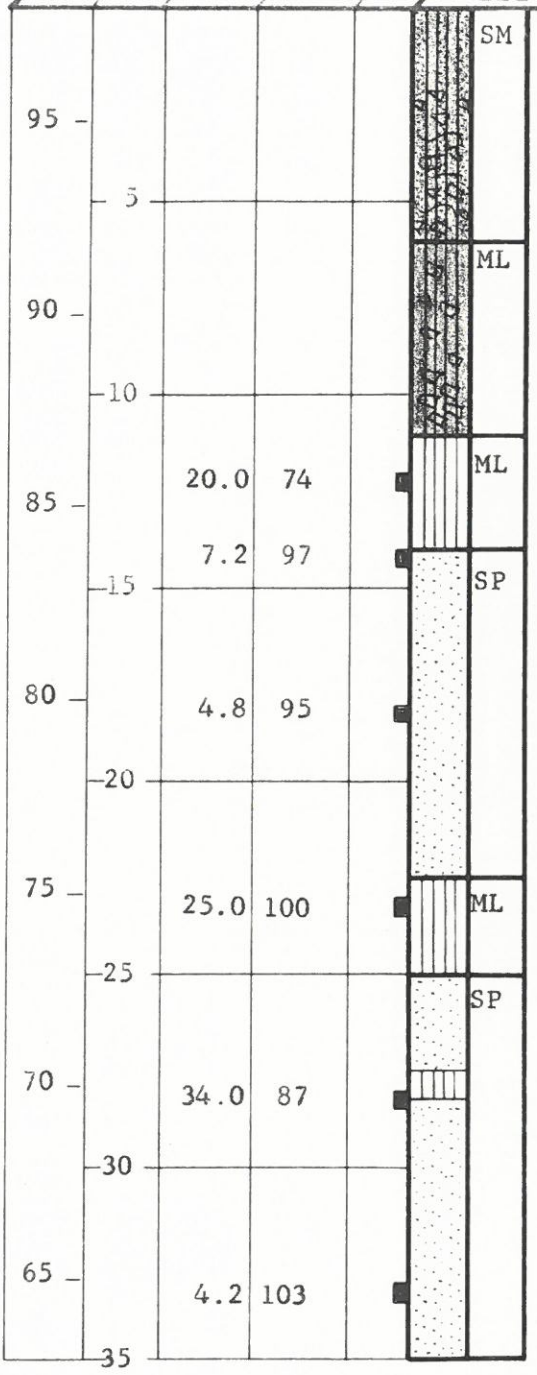
LEROY CRANDALL & ASSOCIATES

PLATE A-1I

JOB 63024 DATE 10-4-63 DR GMC D.E. CHKD

BORING 10

DATE DRILLED: November 1, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 97.9



FILL - SILTY SAND - fine, patches of silt, brown
Approximately 70% debris - wood, metal, tire casings, chunks of concrete, etc.
Grading silty

FILL - CLAYEY SILT - 10 to 15% wood, grey

30 to 50% wood

SANDY SILT - grey

Grading sandier

SAND - fine, grey

CLAYEY SILT - greyish-brown

SAND - fine, grey

Layer of SILT - greyish-brown

Grey

NOTE: Groundwater not encountered. Moderate raveling from 1½' to 6'.

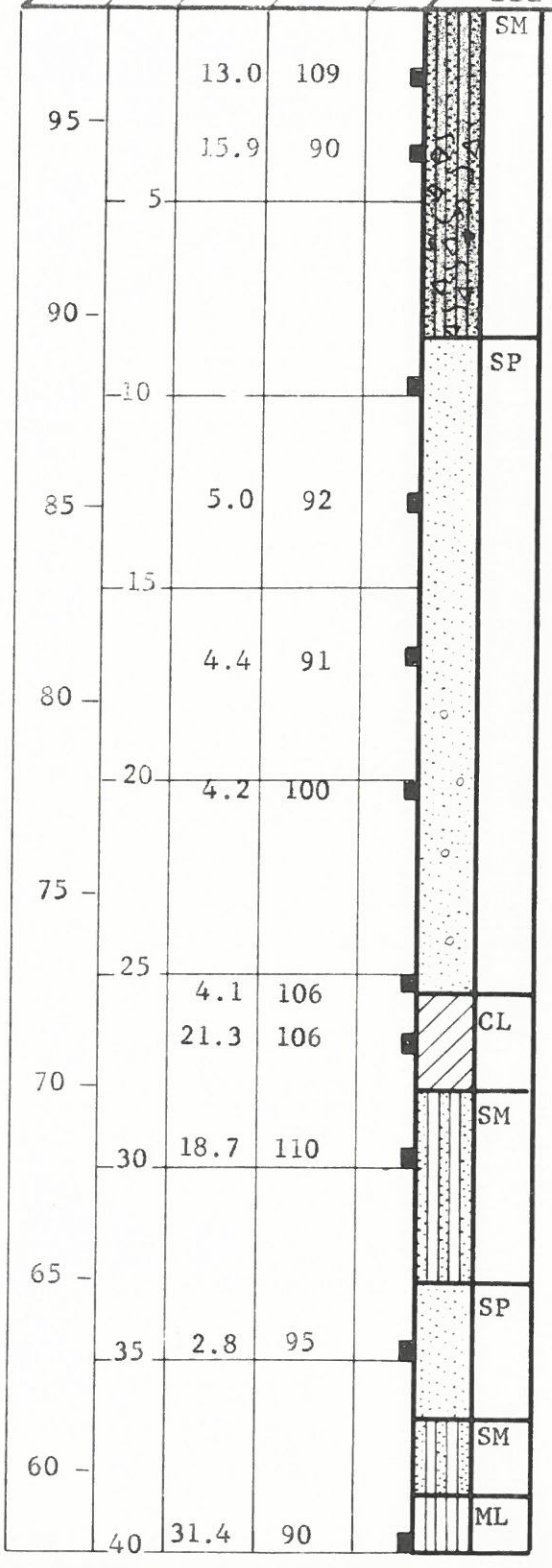
LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1J

BORING 11

DATE DRILLED: October 31, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 97.9



FILL - SILTY SAND - fine, patches of sand, reddish-brown

Approximately 70% debris - wood, wire, metal, glass, brick, chunks of concrete, etc.

Large amount of cinders

SAND - fine, brownish-grey

Light grey

Occasional gravel

SILTY CLAY - mottled brownish-grey and grey

SILTY SAND - fine, sand laminations, brownish-grey

SAND - fine, brown

SILTY SAND - fine, mottled brown and light brown

SANDY SILT - grey

NOTE: Groundwater not encountered. Raveling throughout the fill.

LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1K

BORING 12

DATE DRILLED: October 31, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 98.0

Elevation (ft)	Depth (ft)	Moisture (% of dry wt)	Dry Density (lbs/cu ft)	Sample		
95	0	11.2	112		SM	FILL - SILTY SAND - fine, few gravel and chunks of concrete, brown
		1.4	97			Chunks of asphaltic paving
						Layer of SAND - fine
						Patches of silt
	5					Approximately 70% debris - wood, metal, wire, brick, chunks of concrete, rubber, etc.
90						Large amount of cinders
	10					60 to 70% tire casings and chunks of concrete
85						
	15	3.7	93		SP	SAND - fine, grey
80		3.8	97			
	20	3.0	100			
75						
	25	5.4	94			
70					CL	LEAN CLAY - mottled brown and light brown
	30				SM	SILTY SAND - fine, brown
65					ML	SANDY SILT - mottled brown and light brown
	35	4.9	94		SP	SAND - fine, mottled brown and light brown
60						Layer of SILT - brown
	40	29.7	90		SM	SILTY SAND - fine, layers of SILT, light grey
55						
	45	7.0	99		SP	SAND - fine, brownish-grey
50						
	50	8.1	99			

NOTE: Groundwater not encountered. Heavy caving and raveling from 4' to 13½'. Strong gassy odor.

LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1L

BORING 13

DATE DRILLED: November 1, 1963
EQUIPMENT USED: 18"-Diameter Rotary Bucket
ELEVATION 98.4

ELEVATION (ft)	DEPTH (ft)	MOISTURE (% of dry wt)	DRY DENSITY (lbs/cu ft)	SAMPLE		
95	0	3.4	119		SM	FILL - SILTY SAND - fine, pieces of asphaltic paving and metal, brown Patches of sand 30 to 35% debris - wood, tin and metal
	5					70 to 80% debris - wood, glass, tile and metal
90	10					Approximately 80% wood
85	15					Large amount of cinders
					SP	SAND - fine, grey
80	20	4.1	100			
		3.4	95			
75	25	4.2	102			Light grey
70	30	21.1	106		CL	LEAN CLAY - brown
					SM	SILTY SAND - fine, mottled brown and light brown
65	35	33.0	84		CL	LEAN CLAY - brown
					SP	SAND - fine, mottled brown and greyish-brown
60	40	6.2	95			
55	45	3.7	104			Well graded patches with 10 to 15% gravel, grey
50	50	3.4	101			

NOTE: Groundwater not encountered. Moderate to heavy caving and raveling from 3' to 15'.

LOG OF BORING

LEROY CRANDALL & ASSOCIATES

PLATE A-1M

JOB 63624 DATE 11-6-63 BY Gmc OE 12/11 CHKD

MAJOR DIVISIONS			GROUP SYMBOLS		TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)		GW	Well graded gravels, gravel-sand mixtures, little or no fines.
				GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)		GM	Silty gravels, gravel-sand-silt mixtures.
				GC	Clayey gravels, gravel-sand-clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)		SW	Well graded sands, gravelly sands, little or no fines.
				SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)		SM	Silty sands, sand-silt mixtures.
				SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS				Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

SILT OR CLAY	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

NO. 200 NO. 40 NO. 10 NO. 4 3/4 in. 3 in. (12 in.)

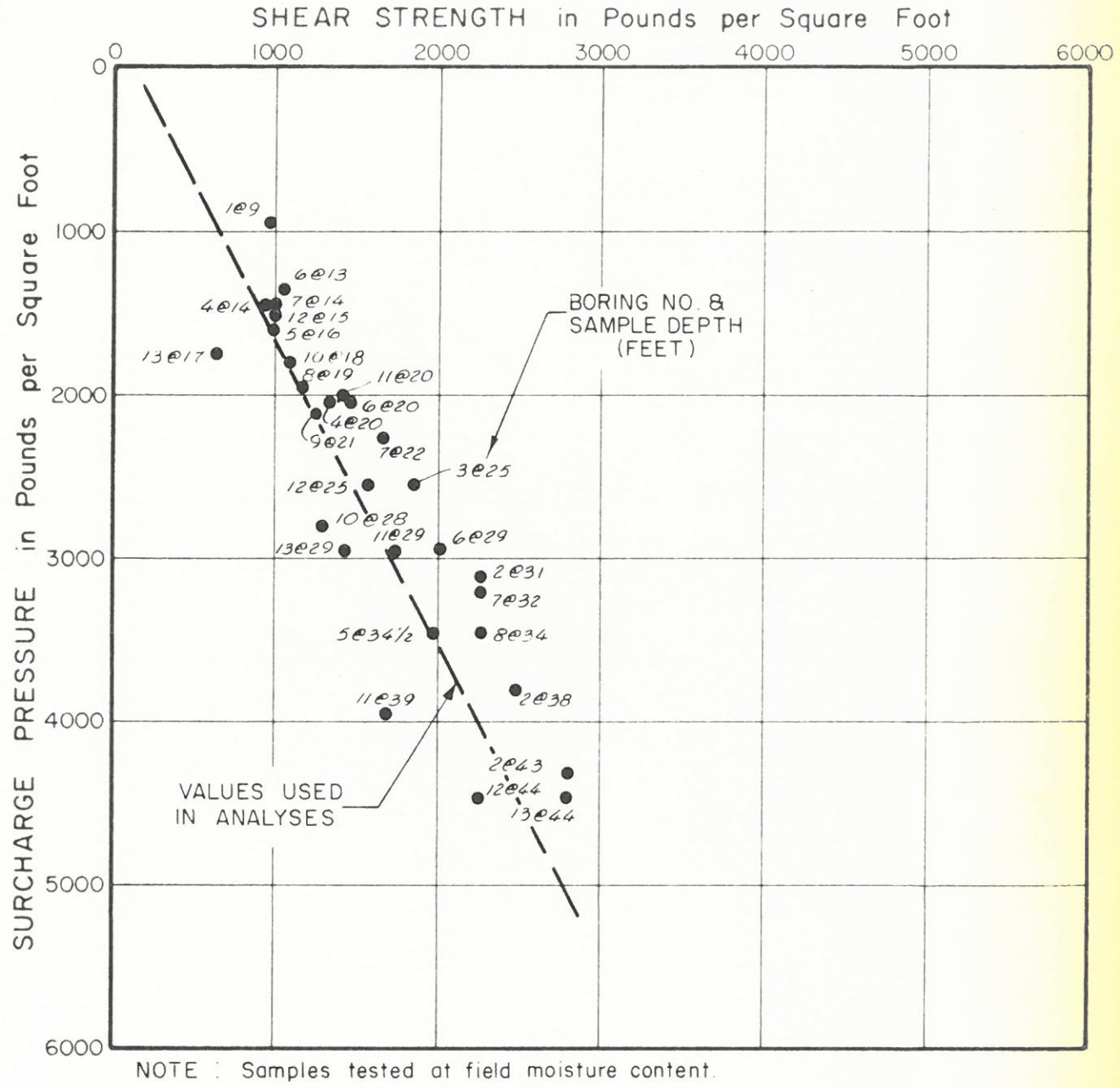
U. S. STANDARD SIEVE SIZE

UNIFIED SOIL CLASSIFICATION SYSTEM

Reference :
The Unified Soil Classification System, Corps of Engineers, U. S. Army Technical Memorandum No. 3-357, Vol. I, March, 1953. (Revised April, 1960)

LEROY CRANDALL & ASSOCIATES

PLATE A-2



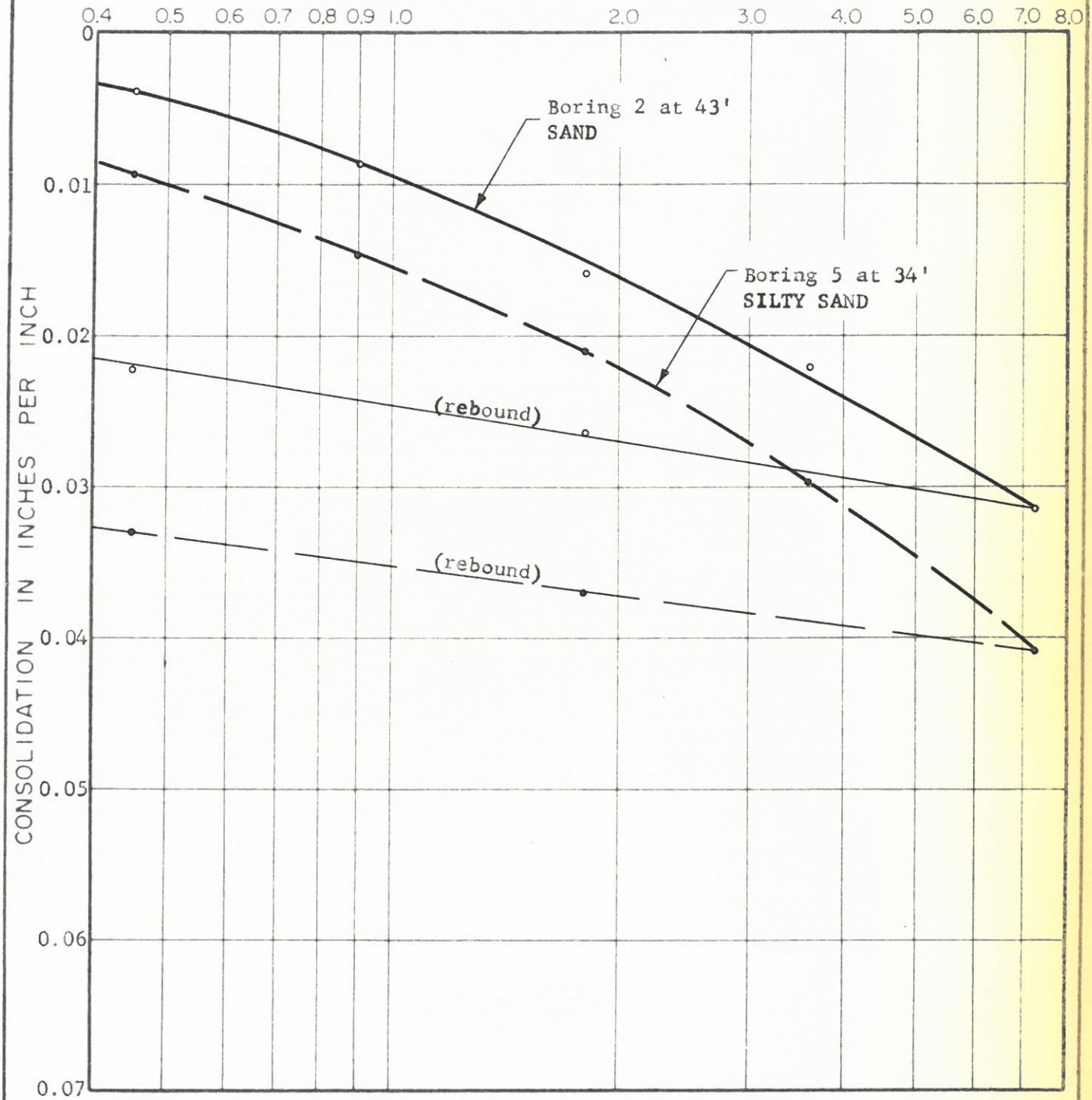
NOTE : Samples tested at field moisture content.

DIRECT SHEAR TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-3

JOB 65464 DATE 11-11-65 DR GMC O.E. JM CHKD. JC

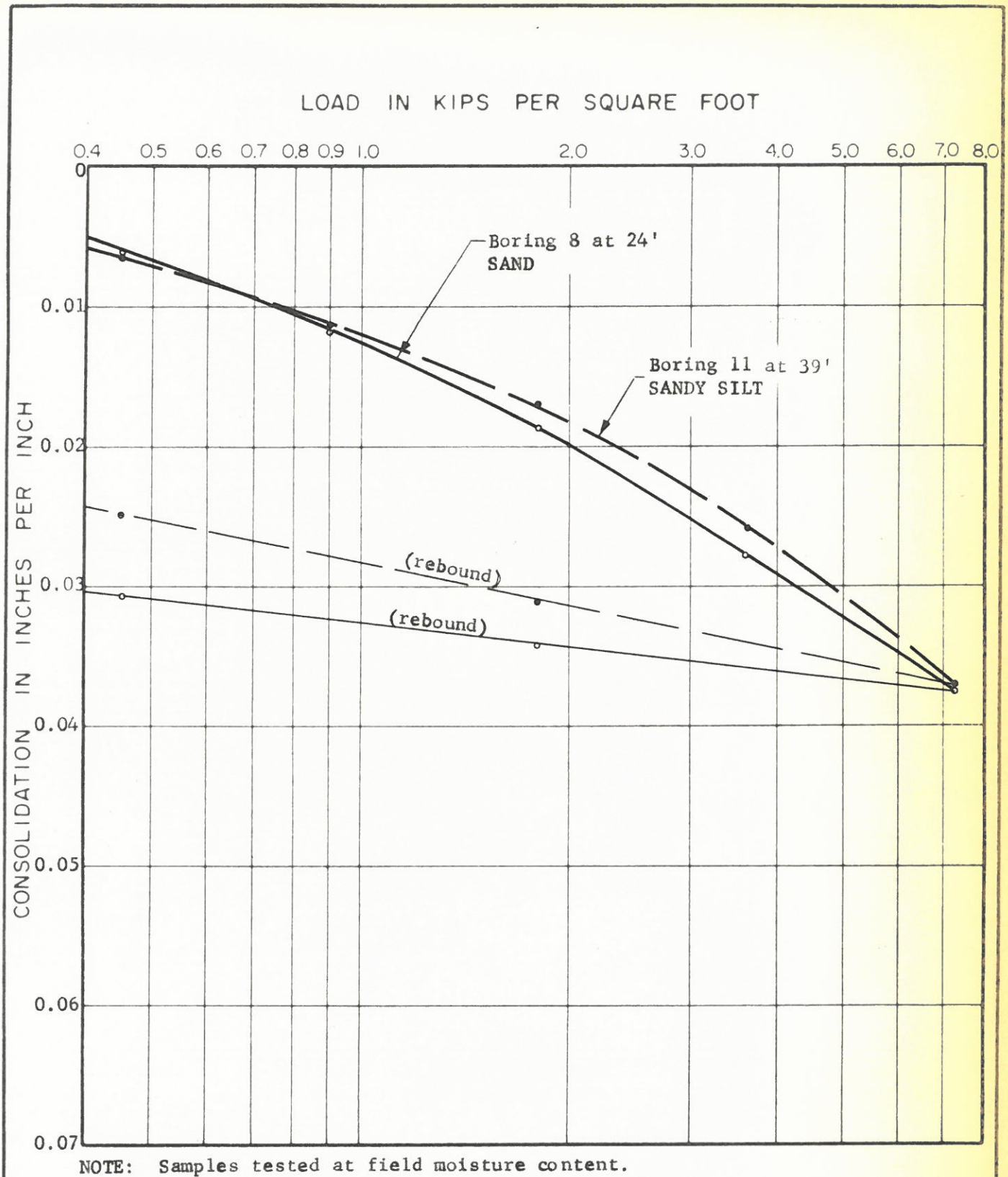


NOTE: Samples tested at field moisture content.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4A



NOTE: Samples tested at field moisture content.

CONSOLIDATION TEST DATA

LEROY CRANDALL & ASSOCIATES

PLATE A-4B

JOB 90664 DATE 11-11-65 DR CMC CHKD. O.E. WM

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67 West Bellevue Drive
Suite B
Pasadena, California 91105-2501

Telephone 818 / 796-8200

FINAL REPORT
FOR
SOLID WASTE AIR QUALITY ASSESSMENT TESTING
AT THE
CITY OF COMMERCE'S
VETERANS PARK
7316 GAGE AVENUE
CITY OF COMMERCE, CA 90040

PREPARED FOR

City of Commerce
Redevelopment Agency
2535 Commerce Way
City of Commerce, California 90040

CEW Project No. 88-41-254-01

March 15, 1990

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3	Facilities Plan
4	Landfill Gas Characterization Points
5	Integrated Surface Sampling Area
6	Location of Ambient Air Samplers
7	Off-Site Gas Migration Sample Points

Table	Title
I	Results of Landfill Gas Stream Characterization
II	Ambient Air Monitoring Results

PROFESSIONAL CERTIFICATION

Richard H. Walls, P.E.
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
RICHARD H. WALLS, JR.
No. C043139
Exp. 3/31/92
CIVIL
STATE OF CALIFORNIA

John DeGeorge
Staff Geologist

This report has been prepared by CEW under the professional supervision of the persons whose seals and signatures appear hereon.

This report has been prepared for the exclusive use of the City of Commerce as it pertains to Veterans Park, located at 7316 Gage Avenue, City of Commerce, California. Our services have been performed in accordance with applicable County and State ordinances and generally accepted practices in the environmental sciences. No other warranty, either expressed or implied, is made. Converse Environmental West (CEW) is not responsible or liable for any claims or damages associated with interpretation of available information. This report should not be regarded as a guarantee that no further contamination, beyond that which was detected in our investigation, is present at the subject site. In the event that changes in the nature of the property occur or additional, relevant information about the property is brought to our attention, the conclusions and recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusions of this report are modified or verified in writing.

FIGURES



REFEFRENCE:

Portion of USGS Topographic Maps
South Gate and Whittier
$7\frac{1}{2}$ minute Quadrangles

0 2000 4000
SCALE IN FEET

SITE LOCATION MAP

CITY OF COMMERCE / VETERANS PARK
7316 Gage Avenue
for: Commerce SWAQT

Project No.
88-41-254-01

Converse Environmental Consultants California

Figure No.
1

1.0 INTRODUCTION

This report presents the results of Solid Waste Air Quality Assessment Testing (SWAQT) performed for the City of Commerce at Veteran's Park located at 7316 Gage Avenue in the City of Commerce (Figure 1). Air quality testing has been performed pursuant to written directive by the South Coast Air Quality Management District (SCAQMD) to evaluate whether or not local air quality has been adversely impacted by emissions of landfill gas as promulgated under Assembly Bill 3525 (Calderon).

Air monitoring and testing was conducted as specified in our work plan dated February 23, 1989. However, what was originally identified as a single landfill beneath Veterans Park was discovered to be portions of four independent landfills. The off-site gas migration sample points were relocated due to these new landfill boundaries. Our work plan was formulated and executed in accordance with the "Testing Guidelines for Active Solid Waste Disposal Sites" prepared by the California Air Resources Boards.

Work has included characterization of local meteorology, sampling of landfill gas and ambient air directly above the disposal site and testing to determine if landfill gas has migrated beyond the perimeter of the landfill.

2.0 SITE DESCRIPTION

Four permitted landfills as well as one unpermitted landfill operated inside or adjacent to Veterans Park property from the years 1941 to 1954 (figure 2). Fletcher Dump (1941-1944) occupied half of Veterans Park property and all of the property currently owned by Watkins Terminals Inc. Doris Haney Jones bought the same property from Fletcher and operated her landfill from 1945 to 1948. From 1948 to 1954 the Salvage Corporation operated on the property owned by Watkins Terminals Inc., but it did not include Veterans Park property. From 1950 to 1954 the Gage Avenue Dump occupied the eastern side of Veterans Park property and most of Slotkin property. Aerial photographs, from the Fairchild Collection at Whittier College Department of Geology, shows an undocumented landfill on Veterans Park property that operated from the early to mid-1950's.

Today, the subject site is Veteran's Memorial Park, which features a baseball field, a picnic/playground area, a parking lot and a multi-level recreation building (Figure 3). Both the International Paper Co. (Slotkin Property) and the Watkins Truck Terminal are vacant. Structures on both of these sites have exhibited signs of severe settlement distress.

3.0 METEOROLOGICAL MONITORING

A meteorological survey was conducted on the site over a three day period before sampling the ambient air. Prevailing winds were observed from the south to the southeast during daytime hours and drainage flow was observed from the north to the northwest during evening and early morning hours. The survey, which entails monitoring wind speed and direction, was also conducted one day before and during each sampling of ambient air. The wind monitor was located in the baseball field, away from all obstructions. The wind data, collected for eight separate days, is presented in Appendix A.

4.0 FIELD SAMPLING AND TESTING

Field sampling has involved three major tasks which include gas stream characterization, ambient air sampling and off-site landfill gas migration testing. Testing was conducted to determine the impact the subject landfill has on local air quality. The findings and scope of the three tasks are described separately below.

4.1 Gas Stream Characterization

Characterization of the landfill gas stream included collection of one integrated surface sample directly above the landfill cover and collection of five landfill gas samples within the interior of the landfill. The collection process and procedure for the integrated surface sampling and landfill gas sampling are described separately below in Sections 4.1.1 and 4.1.2.

Results of laboratory analysis for gas stream characterization are summarized in Table I and presented in Appendix B as laboratory analytical data. Refer to Appendix C for a description of sampling procedures and equipment specifications.

4.1.1 Interior Landfill Gas Testing

Five landfill gas sampling probes, points A through E, were installed in locations as shown in Figure 4 (see Appendix C for sampling procedure). Probes were installed to a depth of 11 feet, approximately 6 feet below the bottom of the landfill cover. Points B and D were sampled for analysis on October 25, 1989; points A, C and E were sampled for analysis on October 26, 1989. Prior to sampling, approximately 10 liters of soil gas were removed from each probe and monitored continuously with an Organic Vapor Analyzer (OVA) to facilitate determining when representative landfill gas was being removed.

4.1.2 Integrated Surface Sampling

One integrated surface sample was collected on December 11, 1989 in the areas shown in Figure 5. The sample was obtained using a backpack mounted, air collection unit during wind speeds of 3mph and less.

4.2 Ambient Air Sampling

Ambient air sampling was conducted over three separate 24-hour periods from December 6 to 16. Samplers were arranged in locations as shown in Figure 6. Sampling was performed under option 2 of the Testing Guidelines for Solid Waste Disposal Sites, which calls for placement of one 24-hour sampler both upwind and downwind of the prevailing wind direction (Samplers 24 N and 24 S, respectively), and three samplers on the downwind side during drainage wind flow (Samples COPW, COPE and P). Two of the drainage samplers (COPW and COPE) acted as a co-located pair. Wind velocity and direction were continuously monitored on the day before and during sampling, the results of which are shown in Appendix A with corresponding time intervals over which the samplers operated for the three separate 24-hour periods. By monitoring wind speed and direction, the eight-hour samplers could be programmed to sample during the predominant drainage flow. The results of laboratory analyses are summarized in Table II and discussed in the Analysis Section of this report. Appendix D presents air monitor calibration data and flow meter data.

4.3 Off-Site Gas Migration Testing

On January 16, 1990, seven probes were installed and monitored around the perimeter of the landfill, as shown in Figure 7, to facilitate detection of landfill gas migrating beyond the landfill perimeter. The probes were installed to a depth of 6 feet, approximately 3 feet below the bottom of the landfill cover. Installation of points on the east and west margins of Veterans Park were relocated to the north and south ends of the park. This relocation was done to avoid testing on top of preexisting landfills adjacent to Veterans Park (See Appendix C for testing procedures).

5.0 ANALYSIS

Sample analysis was performed by Brown and Caldwell Laboratories in Glendale, California. Results of gas stream characterization samples and ambient air samples are summarized in Tables I and II and discussed separately below in Section 5.1 and 5.2. Laboratory results, chain-of-custody forms, and laboratory procedures are presented in Appendix B.

5.1 Landfill Gas Stream Characterization Analysis

Landfill gas stream characterization comprises interior landfill gas testing and integrated surface sampling to identify compounds generated by or present within the landfill. Benzene and 1,2-Dichloroethane were detected in both the integrated surface sample and landfill gas. Carbon Tetrachloride, Tetrachloroethane (PCE), Trichlorethane (TCE) and Vinyl Chloride were detected in landfill gas only. Methylene Chloride and 1,1,1-Trichloroethane (TCA) were detected in the integrated surface sample only. Benzene and Vinyl Chloride were the predominant compounds detected in the landfill gas at concentrations ranging from 180 ppb - 2800 ppb and 170 ppb - 4300 ppb, respectively (see Table 1).

Methane, the primary gas generated in landfills, was detected from 2.6% to 12% in landfill gas but was not detected over the landfill surface. Other gases within the landfill, including carbon dioxide, nitrogen and oxygen had average levels of 9%, 77% and 8% respectively.

5.2 Ambient Air Sample Analysis

In analysis of ambient air samples, Benzene as well as four chlorinated hydrocarbon compounds including TCA, PCE, Methylene Chloride and 1,2-Dichloroethane were detected above the subject landfill site. Levels of these compounds ranged from 0.48 ppb to 10 ppb as shown in Table II.

For Benzene, the analytical values from the 24-hour samplers were generally greater or equal to the analytical values from the 8-hour drainage samplers. For Methylene Chloride, the analytical values from the 24-hour samplers were generally less than or equal to the analytical values from the 8-hour drainage samplers. The analytical values for 1,2-Dichloroethane, Tetrachloroethane and TCA were generally the same in both the 24-hour and 8-hour drainage samplers.

5.3 Off-Site Gas Migration Results

Testing points 6 and 7 measured 95,000 ppm and 100,000+ ppm respectively, using an OVA. The remainder of the sampling points, 1 through 5, did not detect organics in excess of 50 ppm.

6.0 DISCUSSION OF FINDINGS

Results of landfill gas characterization and ambient air monitoring indicate the inactive landfills beneath Veterans Park are not emitting significant quantities of contaminants into the ambient air. Benzene, detected at concentrations from 180 ppb to 2800 ppb in the landfill gas, was detected in the ambient air above the Park. In both the intregated surface sampling and ambient air monitoring portions of our study, concentrations of benzene in the ambient air monitoring study exhibited little variation between the 24-hour samples and the drainage samples indicating that at least a portion of the detected benzene is background for the general area. The drainage samples are collected during nocturnal drainage flow when detection of landfill gas emission is presumed to be greatest.

PCE and 1,2-Dichloroethane were detected in the landfill gas and in the ambient air above the park. The concentrations of these compounds was not significantly higher in the 8-hour drainage samplers, suggesting that the detected level of these two compounds in the ambient air may be background for the general area.

Methylene Chloride and TCA, which were non-detectable in the landfill gas, were detected in the ambient air and in the integrated surface sample, from 1 ppb to 28 ppb and 1 ppb to 4 ppb, respectively. The concentrations did not vary significantly between the drainage samplers and the 24-hour samplers during ambient air sampling, suggesting that the detected concentration of these compounds in the ambient air (as with other compounds discussed above) represent background level for the general area.

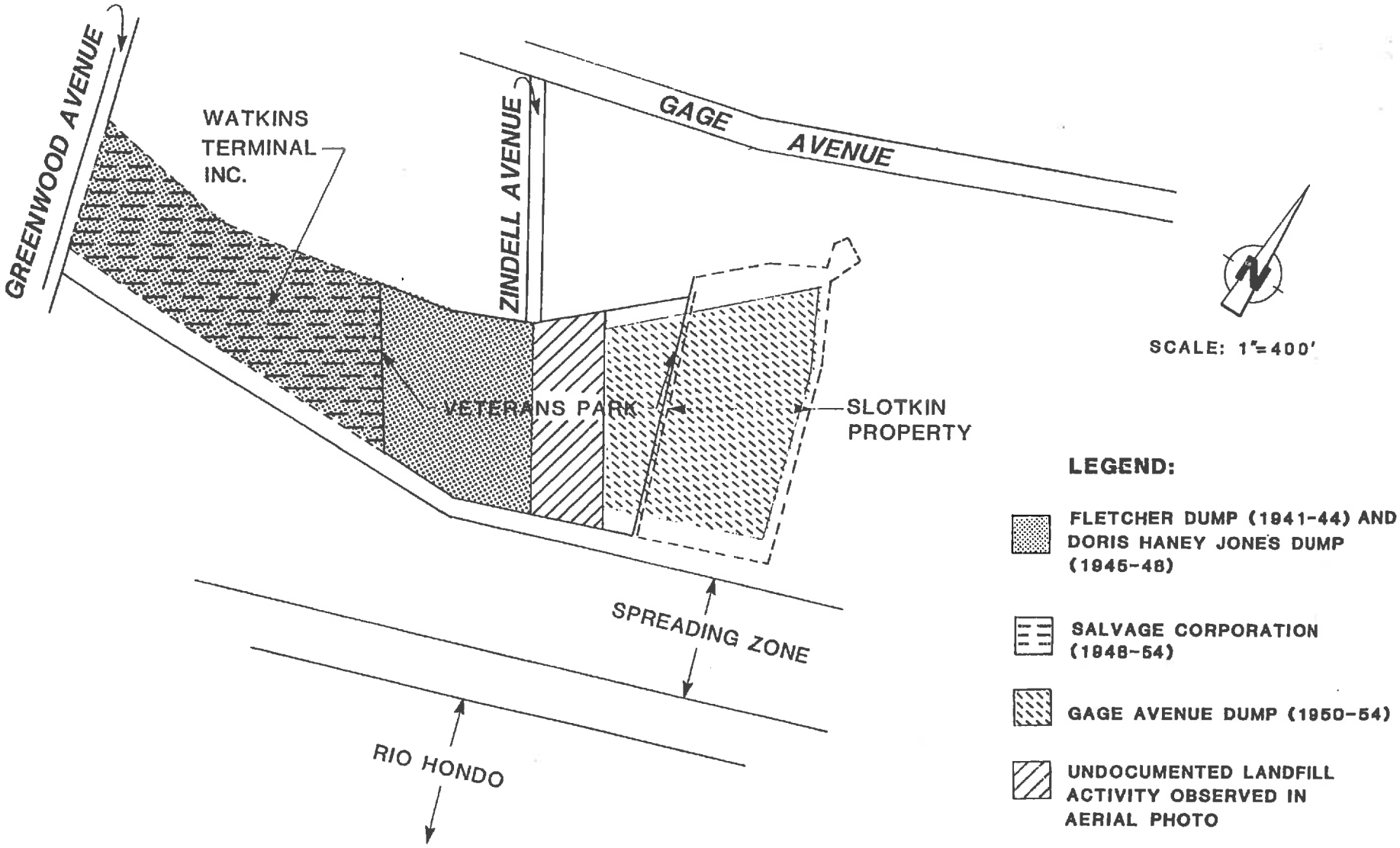
Vinyl Chloride, detected at concentrations from 170 ppb to 4300 ppb in the landfill gas, was non-detectable in the air above the landfill cover. Additionally, TCE and Carbon Tetrachloride, detected in the landfill gas at concentrations from 8 ppb to 73 ppb, were non-detectable in the air above the landfill cover.

Methane was measured at a concentration of 6.7% in the landfill gas, indicating on-going biological breakdown of refuse. Methane was detected beyond the perimeter of the subject site in the southeast corner of Veterans Park, however, the gas may be the result of migration from the Gage Avenue Dump the southern boundary of which is located approximately 30 feet to the north of this migration point (see Figure 7).

7.0 CONCLUSION

At least four independent landfills operated inside or adjacent to Veterans Park in the 1940's and 50's. It appears that past landfill activities have resulted in the presence of chlorinated and aromatics hydrocarbons (i.e. most notably benzene and vinyl chloride) in the landfill gas beneath the Veterans Park. Ambient air monitoring above Veterans Park suggest that of the Caldron compounds detected, only benzene is potentially being omitted from the landfill to the ambient air. All other detected compounds in the ambient air appear to be background levels for the general area.

Methane, although still being generated within the landfill, was not detected in the ambient air. The migration of methane offsite was detected southeast of the landfill in point 6.



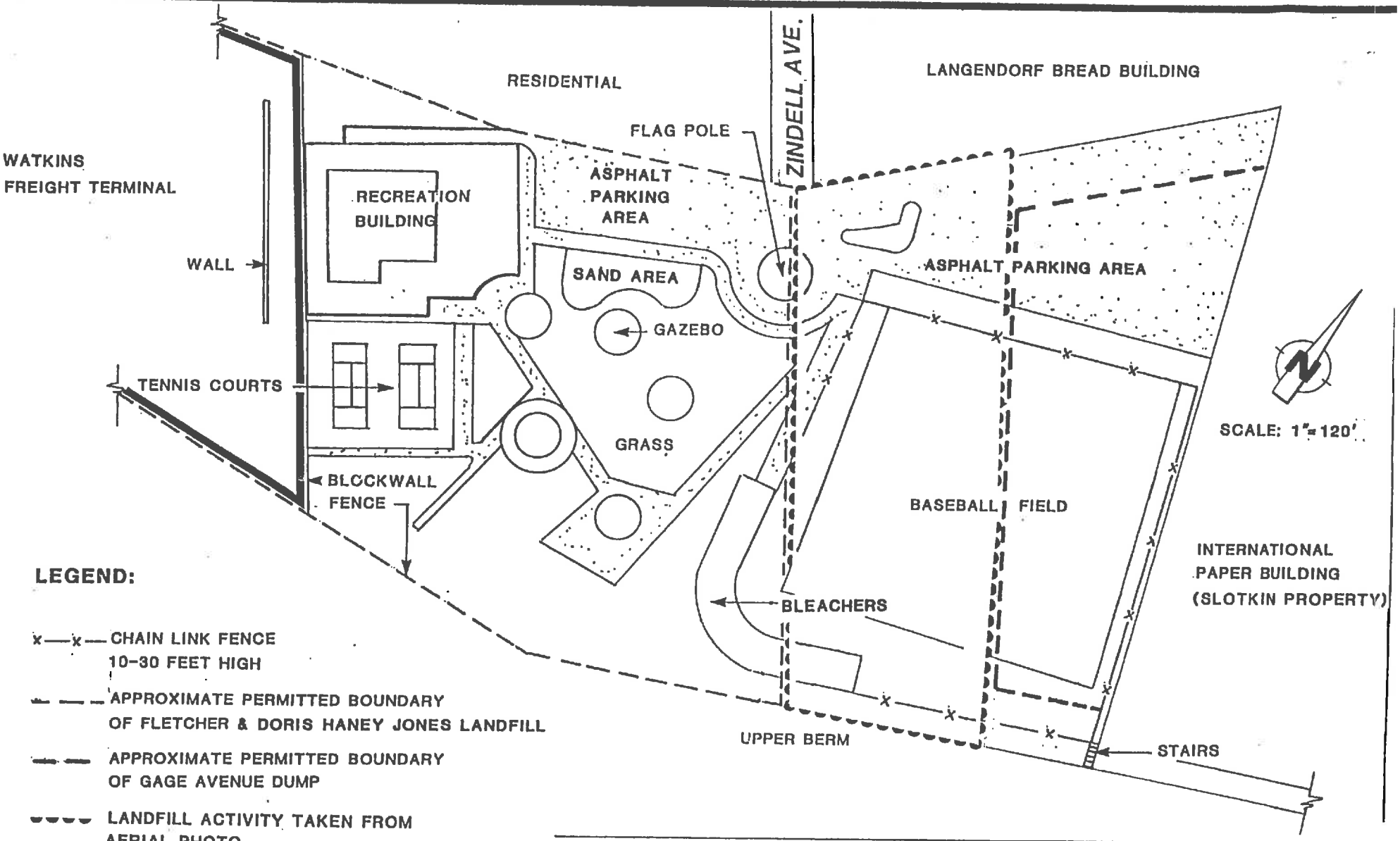
LOCATION OF PREEXISTING LANDFILLS

CITY OF COMMERCE/VETERANS PARK
7316 Gage Avenue
for: Commerce SWAQT

Project No.
88-41-254-01

Converse Environmental West

Figure No.
2



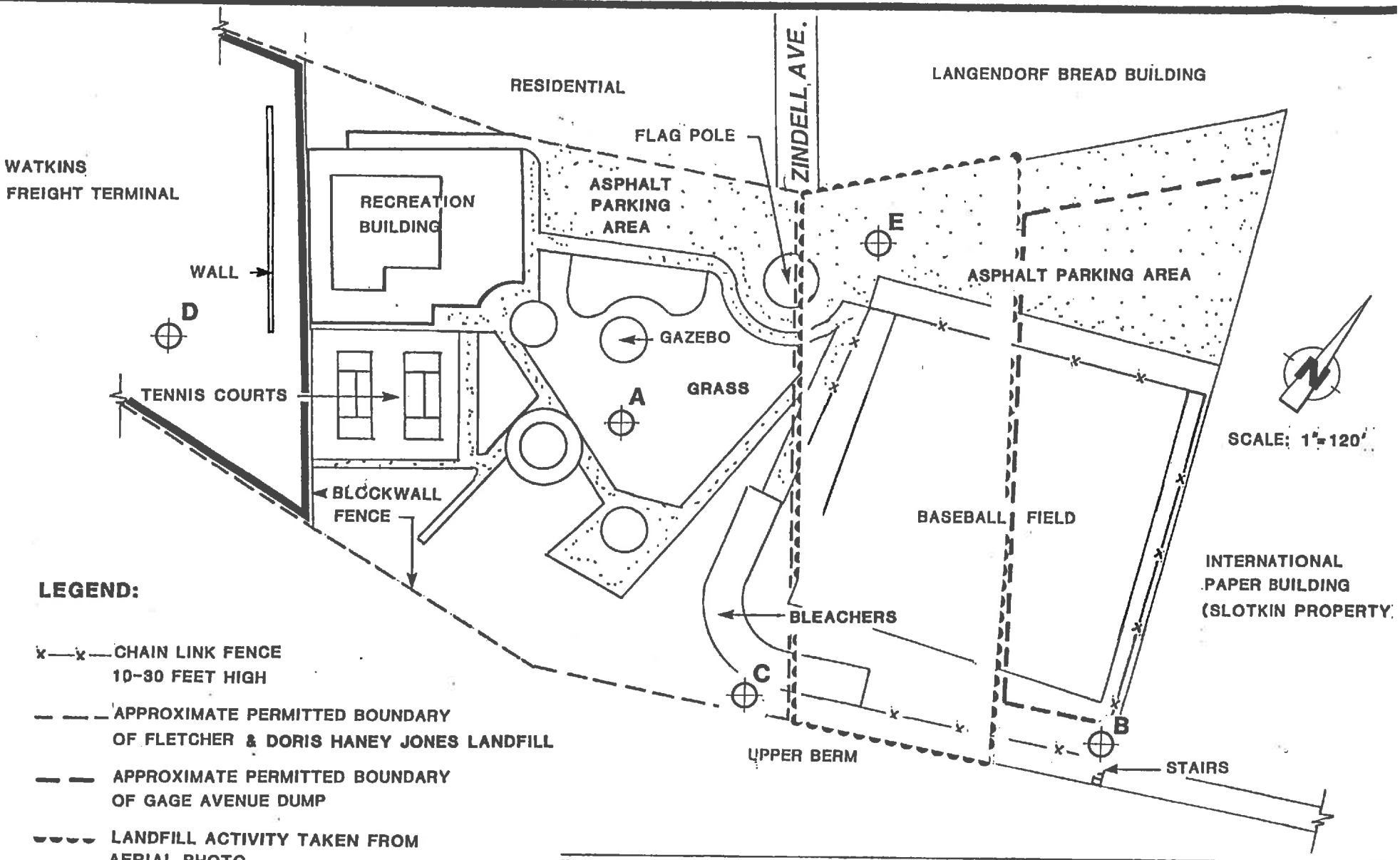
FACILITIES PLAN

CITY OF COMMERCE/VETERANS PARK
7316 Gage Avenue
for: Commerce SWAQT

Project No.
88-41-254-01

Converse Environmental West

Figure No.
3



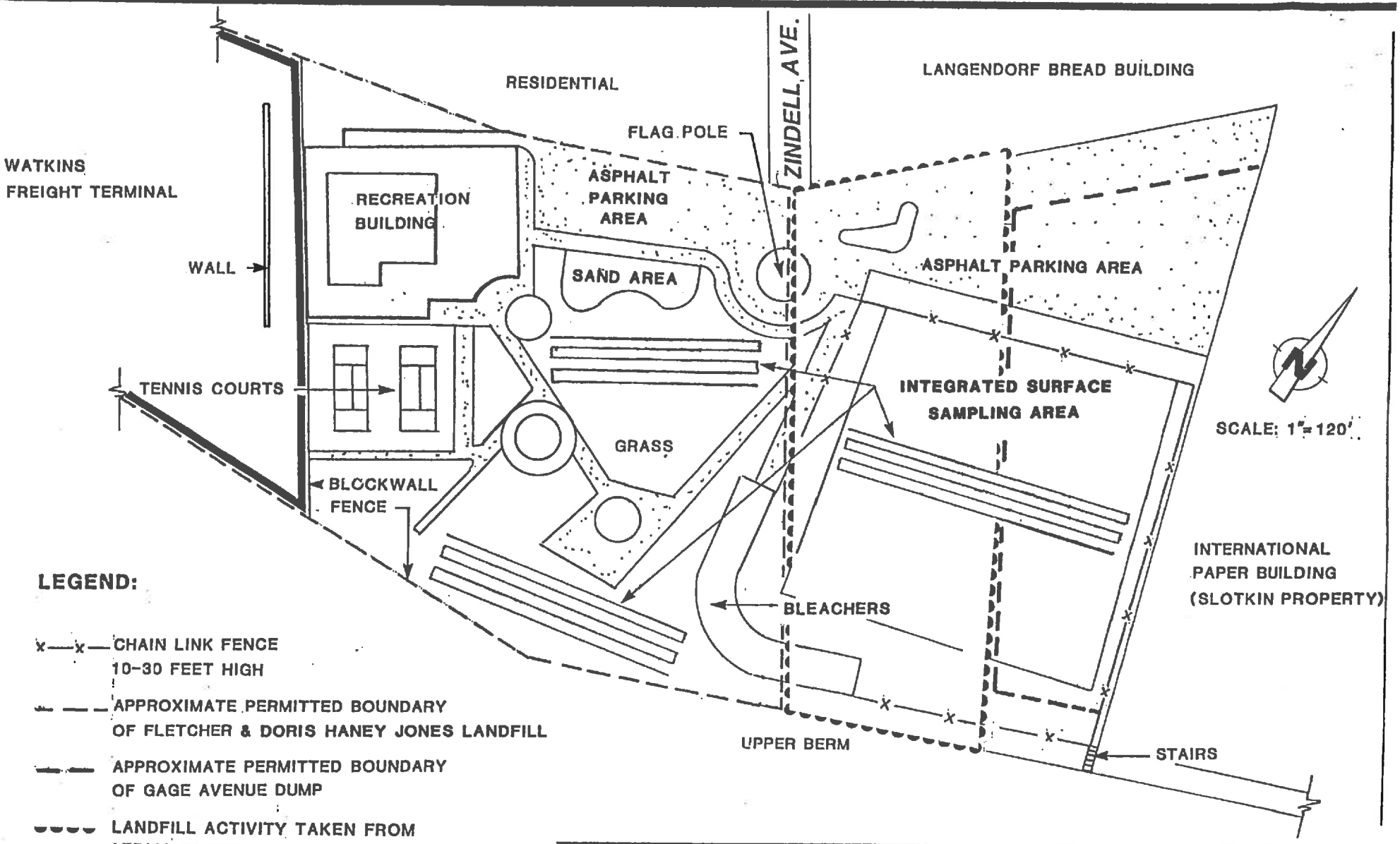
LANDFILL GAS CHARACTERIZATION SAMPLE POINTS

CITY OF COMMERCE/VETERANS PARK
7316 Gage Avenue
for: Commerce SWAQT

Project No.
88-41-254-0

Converse Environmental West

Figure No.
4



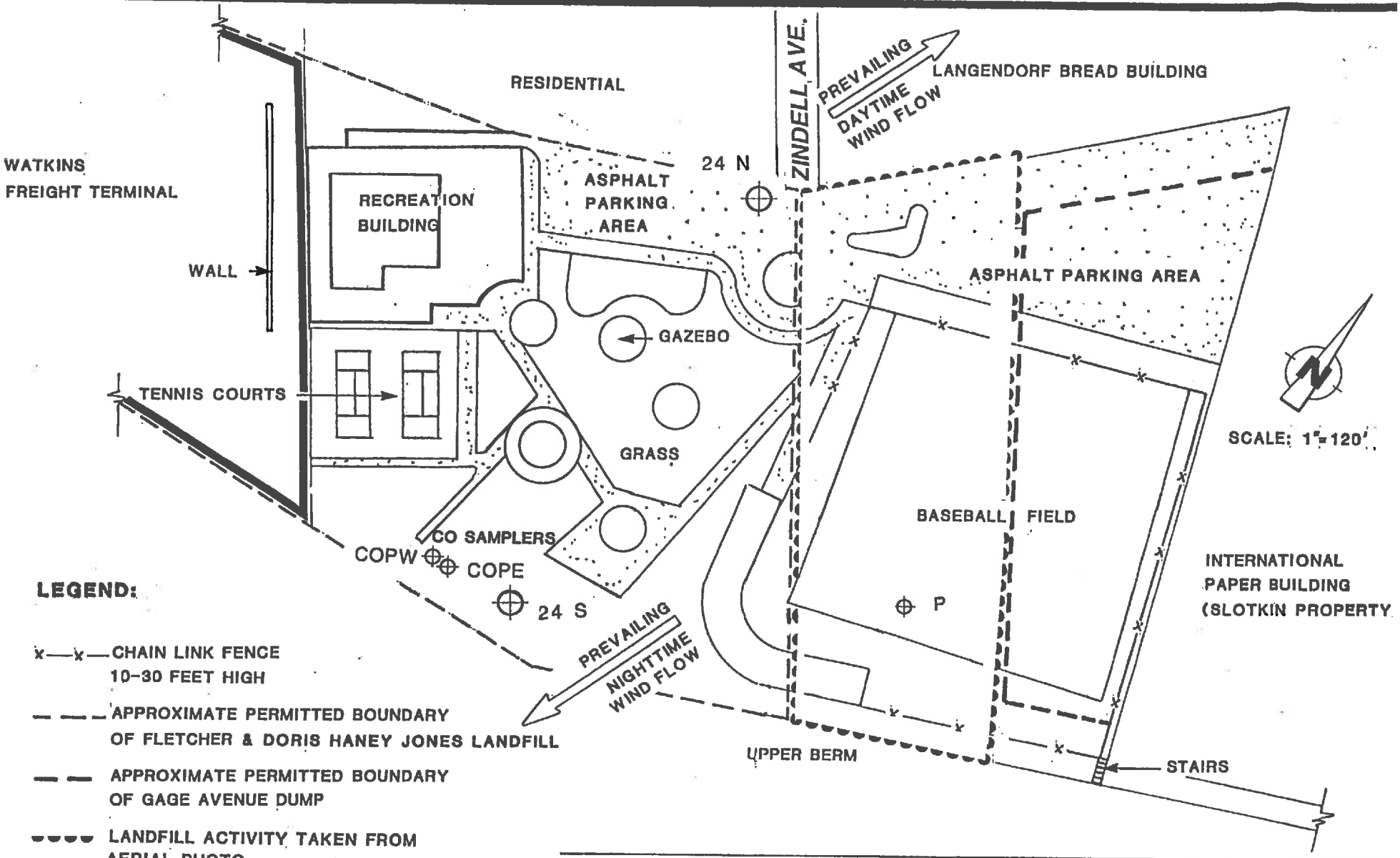
INTEGRATED SURFACE SAMPLING AREA

CITY OF COMMERCE/VETERANS PARK
7316 Gage Avenue
for: Commerce SWAQT

Project No.
88-41-254-01

Converse Environmental West

Figure No.
5



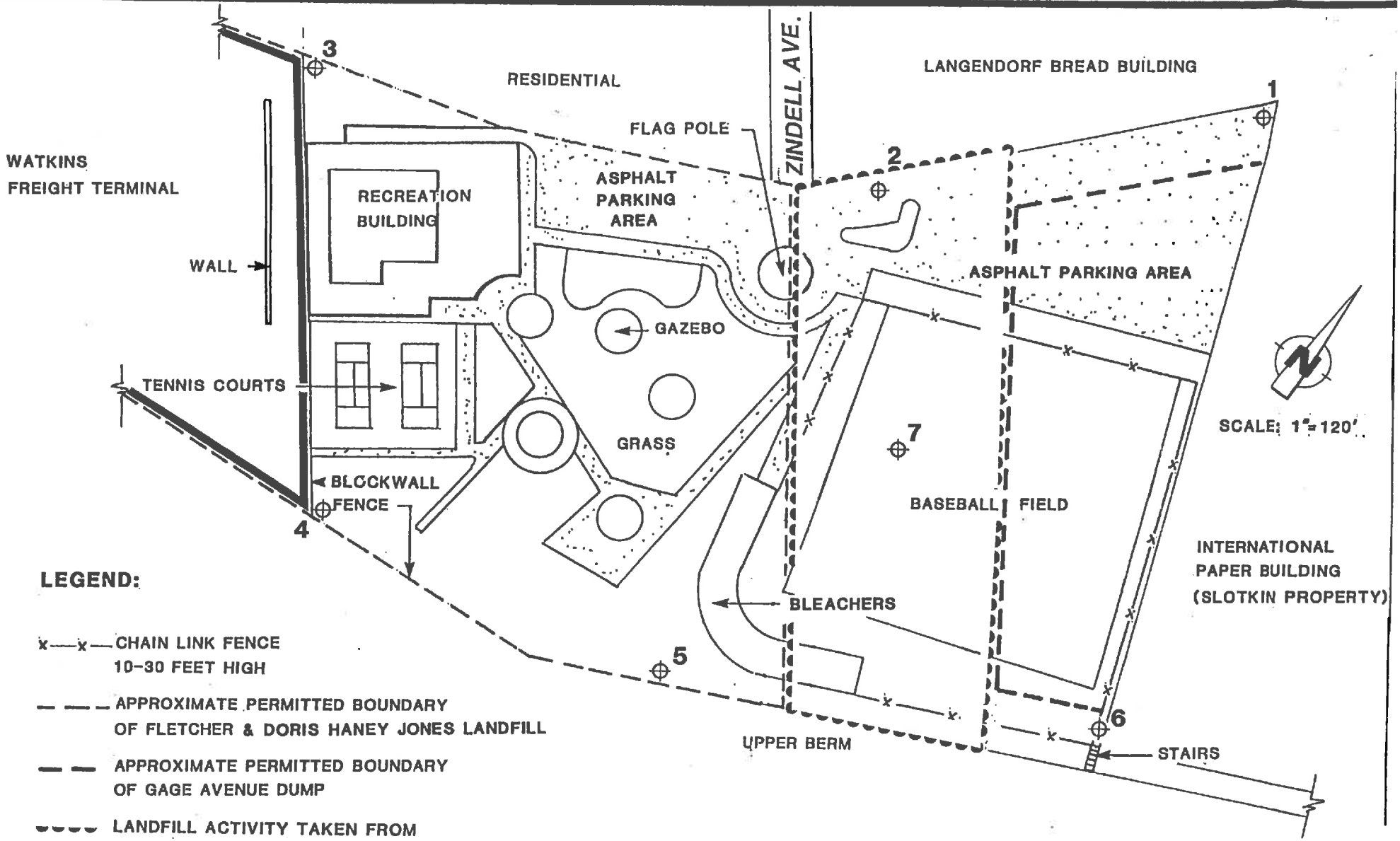
LOCATION OF AMBIENT AIR SAMPLERS

CITY OF COMMERCE/VETERANS PARK
7316 Gage Avenue
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Project No.
88-41-254-0

Converse Environmental West

Figure No.
6



OFF-SITE GAS MIGRATION SAMPLE POINTS

CITY OF COMMERCE/VETERANS PARK
7316 Gage Avenue
for: Commerce SWAQT

Project No.
88-41-254-0

Converse Environmental West

Figure No.
7

TABLES

TABLE I

RESULTS OF LANDFILL GAS STREAM CHARACTERIZATION

	A	B	C	D	E	ISS
1,2-Dichloroethane	380	-	-	-	1.8	2
Benzene	1,300	320	180	320	2,800	4
Carbon Tetrachloride	9.6	-	-	-	-	-
Chloroform	-	-	-	-	-	-
Ethylene Dibromide	-	-	-	-	-	-
Methylene Chloride	-	-	-	-	-	28
Tetrachloroethane (PCE)	27	1	1	0.7	2	-
1,1,1 - Trichloroethane (TCA)	-	-	-	-	-	3
Trichloroethene (TCE)	73	10	-	12	8	-
Vinyl Chloride	4,300	670	290	690	170	-
Methane	2.6	8.9	2.1	7.9	12	-
Carbon Dioxide	9.1	8.4	3.9	12	12	-
Nitrogen	83	74	83	77	68	79
Oxygen	6.6	9.5	12	2.4	9.8	21

Notes

1. CH_4, CO_2, N_2, O_2 expressed in %
2. All others expressed in ppb
3. ISS = Integrated Surface Sample

TABLE II

AMBIENT AIR MONITORING RESULTS

	December 6 and 7, 1989					December 7 and 8, 1989					December 15 and 16, 1989				
	24N	24S	P	COPE	COPW	24N	24S	P	COPE	COPW	24N	24S	P	COPE	COPW
1,2-Dichloroethane	-	1	-	-	-	0.8	0.9	0.5	1	0.6	1	0.6	1	0.7	0.8
Benzene	10	9	6	5	10	6.6	7.1	3	5	5	9	7	10	10	10
Carbon Tetrachloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	4	5	2	3	8	1.4	1.9	0.6	2	1	3	3	4	4	3
Tetrachloroethane (PCE)	2.2	2.2	0.9	8.6	2.4	0.6	-	0.4	0.7	0.6	-	-	-	-	-
1,1,1 - Trichloroethane (TCA)	1	4	2	2	3	2.3	2.2	1	2	2	2	2	3	3	4
Trichloroethene (TCE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes

1. Results expressed in ppb
2. 24N, 24S are 24-hour samplers
3. P, COPE, COPW are 8-hour drainage (partial) samplers

APPENDIX A

WIND DATA

BY JPD DATE 12-3 to 12-5 CLIENT City of Commerce SWAQT SHEET NO. _____ OF _____

CHKD. BY _____ DATE _____ PROJECT NO. 88-41-254-01

PROJECT Wind Speed and Direction 3 Days Prior to Sampling

ONE HOUR AVERAGES

TIME/DATE	SPEED	DIRECTION	TIME/DATE	SPEED	DIRECTION
12-3					
1	1.50	N-NE	16	1.50	NW
2	1.50	NE	17	1.75	W-SW
3	0.75	E	18	1.00	W
4	1.25	NE	19	2.00	W
5	0.75	NE	20	2.25	W-NW
6	1.00	NE	21	1.75	NE
7	1.00	E-NE	22	1.50	N
8	1.75	N	23	1.50	N-NE
9	1.25	NE	24	1.00	N
10	0.75	N	12-5		
11	0.75	NW	1	1.75	NE
12	0.50	W-NW	2	1.75	NE
13	1.25	NW	3	1.00	N-NE
14	1.50	W-SW	4	1.25	NE
15	1.00	NW	5	1.50	NE
16	0.50	S-SE	6	1.50	E-NE
17	1.25	SW	7	0.75	NE
18	0.50	SE	8	1.25	N-NE
19	0.75	E	9	1.00	NE
20	0.75	E-NE	10	1.75	NE
21	1.00	N	11		
22	1.00	NE	12		
23	0.75	E-NE	13		
24	0.75	N-NE	14		
12-4			15		
1	1.00	NE	16		
2	1.50	NE	17		
3	1.50	E	18		
4	2.00	N-NE	19		
5	1.75	NE	20		
6	1.75	N-NE	21		
7	1.00	NE	22		
8	1.25	NE	23		
9	1.75	E	24		
10	1.75	S			
11	2.25	SW			
12	1.00	W			
13	0.50	NW			
14	0.75	NW			
15	1.00	W-SW			

Converse Consultants

SIGNED _____

REG. NO. _____

SHEET NO.

L-S-10/81

BY JPD DATE 12-5 to CLIENT City of Commerce SHEET NO. ____ OF ____

CHKD. BY ____ DATE 12-7 SWAQT PROJECT NO. 88-41-254-01

PROJECT Wind Speed and Direction 1 Day Prior To Sampling

ONE HOUR AVERAGES

TIME/DATE	SPEED	DIRECTION	TIME/DATE	SPEED	DIRECTION
12-5			16	1.50	NW
1			17	0.50	W-SW
2			18	1.00	E-SE
3			19	1.00	N
4			20	0.75	NE
5			21	2.00	NE
6			22	1.25	N
7			23	1.00	E
8			24	2.00	NE
9			12-7		
10	1.00	W	1	2.25	NE
11	1.50	S-SW	2	1.75	NE
12	0.75	W-SW	3	1.75	NE
13	1.50	SW	4	1.50	NE
14	1.75	W-SW	5	3.00	NE
15	1.50	SW	6	1.50	NE
16	1.00	SW	7	2.00	NE
17	1.00	S-SW	8	1.00	NE
18	1.00	S	9	1.25	E
19	1.00	S-SE	10	1.50	NE
20	0.50	NW	11		
21	0.75	E	12		
22	1.00	W	13		
23	0.75	E	14		
24	0.75	N-NW	15		
12-6			16		
1	1.25	N	17		
2	1.00	S-SW	18		
3	0.75	E-SE	19		
4	1.50	NE	20		
5	1.50	NE	21		
6	1.25	N-NE	22		
7	1.25	E	23		
8	2.00	NE	24		
9	1.75	NE			
10	1.50	NE			
11	1.50	NW			
12	2.00	NW			
13	1.75	NW			
14	1.50	W-NW			
15	1.50	W-NW			

Converse Consultants

SIGNED ____

REG. NO. ____

SHEET NO.

5-10/81

BY JPD DATE 12-6 to 12-8 CLIENT City of Commerce SHEET NO. ____ OF ____

CHKD. BY ____ DATE 12-8 SWAQT PROJECT NO. 88-41-254-01

PROJECT Wind Speed and Direction During Sampling

ONE HOUR AVERAGES

TIME/DATE	SPEED (mph)	DIRECTION		TIME/DATE	SPEED	DIRECTION	
12-6				16	1.50	SW	
1				17	1.75	W-NW	
2				18	1.00	SW	
3				19	0.75	S-SW	
4				20	0.75	S	
5				21	0.75	SE	
6				22	1.50	N-NE	
7				23	0.50	N	
8				24	2.25	N-NE	
9				12-8			
10	1.50	NE		1	1.50	N-NE	DRAINAGE SAMPLE
11	1.50	NW		2	2.00	N-NE	
12	2.00	NW		3	1.75	NE	
13	1.75	NW		4	1.00	NE	
14	1.50	W-NW		5	1.25	N-NE	
15	1.50	W-NW		6	1.00	E-NE	
16	1.50	NW		7	1.75	NE	
17	0.50	W-SW		8	1.75	NE	
18	1.00	E-SE		9	1.25	E	
19	1.00	N		10	2.00	E-NE	
20	0.75	NE		11			
21	2.00	NE		12			
22	1.25	N		13			
23	1.00	E		14			
24	2.00	NE		15			
12-7				16			
1	2.25	NE	DRAINAGE SAMPLE	17			
2	1.75	NE		18			
3	1.75	NE		19			
4	1.50	NE		20			
5	3.00	NE		21			
6	1.50	NE		22			
7	2.00	NE		23			
8	1.00	NE		24			
9	1.25	E					
10	1.50	NE					
11	1.00	NE					
12	1.25	W-NW					
13	2.00	NW					
14	2.00	NW					
15	2.00	NW					

Converse Consultants

SIGNED ____ REG. NO. ____ SHEET NO.

L-5-10/81

BY JPD DATE 12-14 to CLIENT City of Commerce SHEET NO. ____ OF ____

CHKD. BY ____ DATE 12-15 SWAQT PROJECT NO. 88-41-254-01

PROJECT Wind Speed and Direction 1 Day Prior To Sampling

ONE HOUR AVERAGES

TIME/DATE	SPEED	DIRECTION	TIME/DATE	SPEED	DIRECTION
12-14					
1			16		
2			17		
3			18		
4			19		
5			20		
6			21		
7			22		
8			23		
9			24		
10					
11			1		
12	1.50	E	2		
13	1.50	SW	3		
14	1.00	SW	4		
15	1.50	SW	5		
16	1.75	W-NW	6		
17	1.25	W-NW	7		
18	0.50	W-NW	8		
19	0.50	W-SW	9		
20	1.00	S	10		
21	0.75	E-SE	11		
22	1.00	NE	12		
23	0.75	E	13		
24	0.75	N-NE	14		
12-15			15		
1	1.25	NE	16		
2	1.00	E	17		
3	0.50	N	18		
4	1.25	NE	19		
5	1.75	NE	20		
6	2.00	NE	21		
7	1.25	NE	22		
8	2.00	NE	23		
9	2.00	NE	24		
10					
11					
12					
13					
14					
15					

Converse Consultants

SIGNED ____

REG. NO. ____

SHEET NO.

5-10/81

BY JPD DATE 12-15 to CLIENT City of Commerce SHEET NO. ____ OF ____

CHKD. BY ____ DATE 12-16 SWAQT PROJECT NO. 88-41-254-01

PROJECT Wind Speed and Direction During Sampling

ONE HOUR AVERAGES

TIME/DATE	SPEED	DIRECTION	TIME/DATE	SPEED	DIRECTION
12-15			16		
1			17		
2			18		
3			19		
4			20		
5			21		
6			22		
7			23		
8			24		
9					
10	1.00	E			
11	1.25	S-SW	1		
12	1.25	W	2		
13	1.25	NW	3		
14	1.25	W	4		
15	1.00	W	5		
16	1.00	W-SW	6		
17	1.25	NW	7		
18	0.75	W	8		
19	1.00	W-NW	9		
20	0.50	W-NW	10		
21	0.50	NE	11		
22	0.50	W	12		
23	0.50	E-SE	13		
24	1.00	NE	14		
12-16			15		
1	1.25	NE	16		
2	1.50	NE	17		
3	1.75	NE	18		
4	1.00	NE	19		
5	1.50	NE	20		
6	1.00	N-NE	21		
7	0.75	N-NE	22		
8	1.00	E-NE	23		
9	1.50	NE	24		
10	1.00	NE			
11					
12					
13					
14					
15					

DRAINAGE SAMPLE

Converse Consultants

SIGNED ____

REG. NO. ____

SHEET NO.

-5-10/81

APPENDIX B

ANALYTICAL DATA AND CHAIN-OF-CUSTODY FORMS

BROWN AND CALDWELL LABORATORIES
801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737
FAX: (818) 247-9797

ANALYTICAL REPORT

NOV 0 6 1989

RECEIVED

LOG NO: G89-10-509

Received: 25 OCT 89
Reported: 02 NOV 89

Mr. Ben Swann
Converse Consultants
67 W. Bellevue
Pasadena, California 91105

Project: 88-41-254-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
10-509-1	102589-PTA-S1	25 OCT 89
10-509-2	102589-PTE-S2	25 OCT 89
10-509-3	102589-PTC-S3	25 OCT 89

PARAMETER	10-509-1	10-509-2	10-509-3
Calderon Landfill Gases			
1,2-Dichloroethane, ppb	380	1.8	<0.2
Benzene, ppb	1300	2800	180
Carbon Tetrachloride, ppb	9.6	<0.2	<0.2
Chloroform, ppb	<0.8	<0.8	<0.8
Ethylene Dibromide, ppb	<0.5	<0.5	<0.5
Methylene chloride, ppb	<1	<1	<1
Tetrachloroethene, ppb	27	2	1
1,1,1-Trichloroethane, ppb	<0.5	<0.5	<0.5
Trichloroethene, ppb	73	8.0	<0.6
Vinyl Chloride, ppb	4300	170	290
Fixed Gas Characterization			
Methane, Percent	2.6	12	2.1
Carbon Dioxide, Percent	9.1	12	3.9
Nitrogen, Percent	83	68	83
Oxygen, Percent	6.6	9.8	12
Other Fixed Gas Characterization	---	---	---

J. Hatfield for JE

Jeffrey A. Erion, Laboratory Manager

BROWN AND CALDWELL LABORATORIES

801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737
FAX: (818) 247-9797

ANALYTICAL REPORT

LOG NO: G89-10-529

Received: 26 OCT 89
Reported: 02 NOV 89

Mr. Ben Swann
Converse Consultants
67 W. Bellevue
Pasadena, California 91105

Project: 88-41-254-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
10-529-1	102689-PTB	26 OCT 89
10-529-2	102689-PTD	26 OCT 89

PARAMETER	10-529-1	10-529-2
Calderon Landfill Gases		
1,2-Dichloroethane, ppb	<0.2	<0.2
Benzene, ppb	320	320
Carbon Tetrachloride, ppb	<0.2	<0.2
Chloroform, ppb	<0.8	<0.8
Ethylene Dibromide, ppb	<0.5	<0.5
Methylene chloride, ppb	<1	<1
Tetrachloroethene, ppb	1	0.7
1,1,1-Trichloroethane, ppb	<0.5	<0.5
Trichloroethene, ppb	10	12
Vinyl Chloride, ppb	670	690
Fixed Gas Characterization		
Methane, Percent	8.9	7.9
Carbon Dioxide, Percent	8.4	12
Nitrogen, Percent	74	77
Oxygen, Percent	9.5	2.4
Other Fixed Gas Characterization	---	---

for JE
Jeffrey A. Erion, Laboratory Manager

BROWN AND CALDWELL LABORATORIES
801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737
FAX: (818) 247-9797

DEC 18 1989

RECEIVED

LOG NO: G89-12-188

Received: 11 DEC 89
Reported: 14 DEC 89

Mr. Ben Swann
Converse Consultants
67 W. Bellevue
Pasadena, California 91105

Project: 88-41-254-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
12-188-1	121189 Runtime 10:30 - 11:00 ISS	11 DEC 89

PARAMETER	12-188-1
Calderon Landfill Gases	
1,2-Dichloroethane, ppb	2
Benzene, ppb	4
Carbon Tetrachloride, ppb	<0.2
Chloroform, ppb	<0.8
Ethylene Dibromide, ppb	<0.5
Methylene chloride, ppb	28
Tetrachloroethene, ppb	<0.2
1,1,1-Trichloroethane, ppb	3
Trichloroethene, ppb	<0.6
Vinyl chloride, ppb	<2
Fixed Gas Characterization	
Methane, Percent	<0.001
Carbon Dioxide, Percent	<0.1
Nitrogen, Percent	79
Oxygen, Percent	21
Other Fixed Gas Characterization	---

for JE

Jeffrey A. Erion, Laboratory Manager

BROWN AND CALDWELL LABORATORIES

801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737

FAX: (818) 247-9797

LOG NO: G89-12-121

Received: 07 DEC 89
Reported: 14 DEC 89

Mr. Ben Swann
Converse Consultants
67 W. Bellevue
Pasadena, California 91105

Project: 88-41-254-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
12-121-1	120789-Runtime-01:00-09:00-COPW-1	07 DEC 89
12-121-2	120789-Runtime-01:00-09:00-COPE-1	07 DEC 89
12-121-3	120789-Runtime-01:00-09:00-P-1	07 DEC 89
12-121-4	12060789-Runtime-10:15-10:15-24N-1	06 DEC 89
12-121-5	12060789-Runtime-09:45-09:45-24S-1	06 DEC 89

PARAMETER	12-121-1	12-121-2	12-121-3	12-121-4	12-121-5
Calderon Landfill Gases					
1,2-Dichloroethane, ppb	<0.2	<0.2	<0.2	<0.2	1
Benzene, ppb	10	5	6	10	9
Carbon Tetrachloride, ppb	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform, ppb	<0.8	<0.8	<0.8	<0.8	<0.8
Ethylene Dibromide, ppb	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride, ppb	8	3	2	4	5
Tetrachloroethene, ppb	2.4	8.6	0.9	2.2	2.2
1,1,1-Trichloroethane, ppb	3	2	2	1	4
Trichloroethene, ppb	<0.6	<0.6	<0.6	<0.6	<0.6
Vinyl chloride, ppb	<2	<2	<2	<2	<2
Fixed Gas Characterization					
Methane, Percent	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon Dioxide, Percent	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Percent	78	78	78	79	78
Oxygen, Percent	21	21	21	21	21
Other Fixed Gas Characterization	---	---	---	---	---

Jeffrey A. Erion, Laboratory Manager

BROWN AND CALDWELL LABORATORIES

801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737

FAX: (818) 247-9797

ANALYTICAL REPORT

LOG NO: G89-12-142

Received: 08 DEC 89
Reported: 14 DEC 89

JAN 8 1990

RECEIVED

Mr. Ben Swann
Converse Consultants
67 W. Bellevue
Pasadena, California 91105

Project: 88-41-254-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
12-142-1	120889-Runtime-01:00-09:00-COPW-2	08 DEC 89
12-142-2	120889-Runtime-01:00-09:00-COPE-2	08 DEC 89
12-142-3	120889-Runtime-01:00-09:00-P-2	08 DEC 89
12-142-4	12070889-Runtime-10:15-10:15-24N-2	07 DEC 89
12-142-5	12070889-Runtime-10:15-10:15-24S-2	07 DEC 89

PARAMETER	12-142-1	12-142-2	12-142-3	12-142-4	12-142-5
Calderon Landfill Gases					
1,2-Dichloroethane, ppb	0.6	1	0.5	0.8	0.9
Benzene, ppb	5	5	3	6.6	7.1
Carbon Tetrachloride, ppb	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform, ppb	<0.8	<0.8	<0.8	<0.8	<0.8
Ethylene Dibromide, ppb	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride, ppb	1	2	0.6	1.4	1.9
Tetrachloroethene, ppb	0.6	0.7	0.4	0.6	<0.5
1,1,1-Trichloroethane, ppb	2	2	1	2.3	2.2
Trichloroethene, ppb	<0.6	<0.6	<0.6	<0.6	<0.6
Vinyl chloride, ppb	<2	<2	<2	<2	<2
Fixed Gas Characterization					
Methane, Percent	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon Dioxide, Percent	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Percent	79	79	79	79	79
Oxygen, Percent	21	21	21	21	21
Other Fixed Gas Characterization	---	---	---	---	---

Jeffrey A. Erion, Laboratory Manager

BROWN AND CALDWELL LABORATORIES

801 WESTERN AVENUE, GLENDALE, CA 91201
(818) 247-5737

FAX: (818) 247-9797

ANALYTICAL REPORT

LOG NO: G89-12-309

Received: 18 DEC 89
Reported: 26 DEC 89

Mr. Ben Swann
Converse Consultants
67 W. Bellevue
Pasadena, California 91105

JAN 2 - 1990

RECEIVED

Project: 88-41-254-01

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, VAPOR OR AIR SAMPLES	DATE SAMPLED
12-309-1	121689-Runtime-1:00a-9:00a-COPW-3	16 DEC 89
12-309-2	121689-Runtime-1:00a-9:00a-COPE-3	16 DEC 89
12-309-3	121689-Runtime-1:00a-9:00a-P-3	16 DEC 89
12-309-4	12151689-Runtime-10:00a-10:00a-24N-3	15 DEC 89
12-309-5	12151689-Runtime-10:00a-10:00a-24S-3	15 DEC 89

PARAMETER	12-309-1	12-309-2	12-309-3	12-309-4	12-309-5
Calderon Landfill Gases					
1,2-Dichloroethane, ppb	0.8	0.7	1	1	0.6
Benzene, ppb	10	10	10	9	7
Carbon Tetrachloride, ppb	<0.2	<0.2	<0.2	<0.2	<0.2
Chloroform, ppb	<0.8	<0.8	<0.8	<0.8	<0.8
Ethylene Dibromide, ppb	<0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride, ppb	3	4	4	3	3
Tetrachloroethene, ppb	<0.2	<0.2	<0.2	<0.2	<0.2
1,1,1-Trichloroethane, ppb	4	3	3	2	2
Trichloroethene, ppb	<0.6	<0.6	<0.6	<0.6	<0.6
Vinyl chloride, ppb	<2	<2	<2	<2	<2
Fixed Gas Characterization					
Methane, Percent	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon Dioxide, Percent	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Percent	79	79	75	79	80
Oxygen, Percent	21	21	20	21	21
Other Fixed Gas Characterization	---	---	---	---	---

Jeffrey A. Erion, Laboratory Manager

CHAIN OF CUSTODY RECORD

BC Log Number 6111 SC

Client name: Converse Envir. West	Job number or Purchase Order number: 88-41-254-01
Project name: Commerce / S.W.A.Q.T - Landfill Gas Characterization	
Project manager: Ben Swan x2259	Sampler(s): Phil Campe x 2278

Sample number	Date sampled	Time sampled	Matrix Type	Sample description	Number of containers	Analyses required: Fixed Gases	Calderon Pollutants	Hazardous sample / Special handling required	Remarks
	10/25/89	9:48	Vapor	102589-PT A-S1	1	✓	✓		Fixed Gases
	10/25/89	11:15	↓	102589-PT E-S2	1	✓	✓		Calderon Pollutants
	10/25/89	15:27	↓	102589-PT C-S3	1	✓	✓		@ Landfill Gas
									Detection Limits

	Signature	Company	Date	Time
Relinquished by	[signature]	CEW	10/25/89	19:44
Received by	[signature]	BCA	10/25/89	19:44
Relinquished by				
Received by				
Relinquished by				
Received by				

BC ANALYTICAL

☐ 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

CHAIN OF CUSTODY RECORD

BC Log Number 5571

Client name: Converse Environmental West	Job number or Purchase Order number: 88-41-254-01
Project name: Commerce - S.W.A.Q.T./Landfill Gas Characterization	
Project manager: Ben Swann x2259	Sampler(s): Phil Campe x2278

Sample number	Date sampled	Time sampled	Matrix Type	Sample description	Number of containers	Analyses required: Fixed Gases	Analyses required: Chlorinated Pollutants	Analyses required:	Analyses required:	Analyses required:	Analyses required:	Analyses required:	Hazardous sample / Special handling required	Remarks
	10/26/89	12:27	Vapor	102689 - PT B	1	✓	✓							Run Both Tests
	10/26/89	15:27	Vapor	102689 - PT D	1	✓	✓							@ Landfill Gas
														Detection Limits
														for Both Samples

	Signature	Company	Date	Time
Relinquished by	Phil Campe	CEW	10/26/89	18:34
Received by	Cindy Fisher	BC Analytical Control	10/26/89	18:34
Relinquished by				
Received by				
Relinquished by				
Received by				

BC ANALYTICAL

☐ 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

Converse

CHAIN OF CUSTODY RECORD

BC Log Number C-11-12 B8

Client name: City of Commerce / SWAQT	Job number or Purchase Order number: 88-41-254-01
Project name:	
Project manager: BMS	Sampler(s): JPD

Sample number	Date sampled	Time sampled	Matrix Type	Sample description	Number of containers	Analyses required: Fixed Gases	Caleron Pollutants	Hazardous sample Special handling required	Remarks
	12-11-89	10:30 11:00	Air	121189 - Runtime - 10:30-11:00-ISS		X	X		Ambient Air Detection Limits for both analysis

	Signature	Company	Date	Time
Relinquished by	John De George	Converse Environmental West	12-11-89	12:45
Received by	Larry Lem LARRY LEM	ECA	12/11/89	12:45PM
Relinquished by	— SAMPLE RECEIVED COLD, CONDITION —			
Received by				
Relinquished by				
Received by				

BC ANALYTICAL

☐ 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

Converse

CHAIN OF CUSTODY RECORD

BC Log Number 6..12-121

Client name	Job number or Purchase Order number
City of Commerce / SWAQT	88-41-254-01
Project name	
Project manager BMS	**Sampler(s)** JPD

Sample number	Date sampled	Time sampled	Matrix Type	Sample description	Number of containers	Fixed Gases	Calderon Pollutants					Hazardous sample Special handling required	Remarks
	12-7-89	1:00-9:00	Air	120789-Runtime-01:00-09:00-COPW-1		X	X						Ambient Air
	12-7-89	1:00-9:00	Air	120789-Runtime-01:00-09:00-COPE-1									Detection Limits
	12-7-89	1:00-9:00	Air	120789-Runtime-01:00-09:00-P-1									for both
	12-6-89 12-7-89	10:15-10:15-	Air	12060789-Runtime-10:15-10:15-24N-1									analyses.
	12-6-89 12-7-89	9:45-9:45	Air	120607 89-Runtime-09:45-09:45-24S-1									

	Signature	Company	Date	Time
Relinquished by	John De George	Converse Environmental West	12-7-89	11:40
Received by	Tracy Daynor	BC Analytical	12-7-89	11:40
Relinquished by				
Received by				
Relinquished by				
Received by				

BC ANALYTICAL

☐ 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

Converse

CHAIN OF CUSTODY RECORD

BC Log Number 1.1.1.42

Client name	Job number or Purchase Order number
City of Commerce / SWAQT	88-11
Project name	
Project manager BMS	**Sampler(s)** JPO

Sample number	Date sampled	Time sampled	Matrix Type	Sample description	Number of containers	Analyses required	Hazardous sample / Special handling required	Remarks
	12-8-89	1:00-9:00	Air	120889-Runtime-01:00-09:00-COPW-2		X X		Ambient Air Detection Limits For both analyses.
	12-8-89	1:00-9:00	Air	120889-Runtime-01:00-09:00 COPE-2		↓ ↓		
	12-8-89	1:00-9:00	Air	120889-Runtime-01:00-09:00-P-2				
	12-7-89 12-8-89	10:15-10:15	Air	12070889-Runtime-10:15-10:15-24IN-2				
	12-7-89 12-8-89	09:50-09:50	Air	12070889-Runtime-09:50-09:50-24IS-1		↓ ↓		

	Signature	Company	Date	Time
Relinquished by	John DeGeorge	Converse Environmental West	12-8-89	11:35
Received by	Tracy Dayao	BC Analytical	12-8-89	11:35
Relinquished by				
Received by				
Relinquished by				
Received by				

BC ANALYTICAL

☐ 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

CHAIN OF CUSTODY RECORD

BC Log Number _____

Client name: City of Commerce / SWAQT

Job number or Purchase Order number: 88-41-2241-01

Project name:

Project manager: BMS

Sampler(s): PEL/JPD

Analyses required: Fixed Gases; Carbon Dioxide; Hydrocarbons; Hazardous sample Special handling required

Sample number	Date sampled	Time sampled	Matrix Type	Sample description	Number of containers	Fixed Gases	Carbon Dioxide	Hydrocarbons	Hazardous sample Special handling required	Remarks
	12/16/89	1:00 - 9:00 am	~~Air~~	121689 - Runtime 1:00a 9:00a - COPW-3	(1)	X	X			Ambient Air
	12/16/89	1:00 - 9:00 am	Air	121689 - Runtime 1:00a - 9:00a - COPW-3	(1)	X	X			Detection Limits
	12/16/89	1:00 - 9:00 am		121689 - Runtime 1:00a - 9:00a - P-3	(1)	X	X			For Both
	12/15-16	10:00 am 10:00 am		121516 89 - Runtime 10:00a - 10:00a - 24W-3	(1)	X	X			Analyses
	12/15-16	10:00 am 10:00 am	"	121516 89 - Runtime 10:00a - 10:00a - 24S-3	(1)	X	X			

	Signature	Company	Date	Time
Relinquished by	[signature]	ICW	12/16/89	14:50
Received by				
Relinquished by				
Received by	Albert Yao	BCAL Analytical Lab	12/16/89	14:55
Relinquished by				
Received by				

BC ANALYTICAL

☐ 1255 Powell Street, Emeryville, CA 94608 (415) 428-2300

☐ 801 Western Avenue, Glendale, CA 91201 (818) 247-5737

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Hazardous samples will be returned to client or disposed of at client expense.

APPENDIX C

SAMPLING PROCEDURE AND EQUIPMENT SPECIFICATIONS

APPENDIX C

SAMPLING PROCEDURE AND EQUIPMENT SPECIFICATIONS

Ambient Air Monitoring

Ambient air samples were collected with continuous air samplers. The samplers consist of:

- Pump with a diaphragm made of nonlubricated Viton rubber;
- Rotameter made of borosilicate glass with a flow range or 3 to 50 cubic centimeters per minute;
- Clock timer;
- Tedlar bag, 10 liter capacity;
- Fittings, valves, and tubing constructed of stainless steel or Teflon;
- 12 volt power source.

The inlet probe was located approximately 7 feet above the ground. The start/stop times were approximately 10:00am for the 24-hour samplers and 1:00am/ 9:00am for the eight hour drainage samplers.

Landfill Gas Stream Characterization on Off-Site Migration Testing

All testing for landfill gas and migration testing was conducted in accordance with our SWAQT monitoring work plan as approved by the SCAQMD. The sampling method consisted of inserting a stainless steel probe with a perforated tip to the desired sampling depth.

A teflon fitting and line was attached to the top of the probe and the probe was purged with an electric pump. During purging the vapor stream was monitored with an OVA capable of measuring up to 10% (100,000 ppm) organic vapors. For landfill gas characterization, sampling was conducted following the purging of approximately 10 liters of landfill gas. Samples were collected in 10 liter tedlar bags and placed in light sealed containers pending transport to the laboratory.

APPENDIX D

CALIBRATION PROCEDURES, CALIBRATION DATA

APPENDIX D

CALIBRATION PROCEDURES, CALIBRATION DATA

Calibration Procedures

Rotameters were calibrated by bubble meter and stopwatch at the beginning and at the end of each sampling period for ambient air sampling and integrated surface sampling. The initial flow was calibrated to within ±10% of a 8.3 cc/min or 25 cc/min (8.3 cc/min for 24 hour sampler, 25 cc/min for drainage sampler) flow rate for the ambient air sampler and a 333 cc/min flow rate for the integrated surface sampler. Final flows were averaged over the sampling period for a final flow as shown on attached field data sheet. Percent deviation was calculated and reflects the variance in flow rate for each air sampler.

BY JPO DATE 12-6 CLIENT City of Commerce SHEET NO. _____ OF _____

CHKD. BY _____ DATE 12-16 SWAQT PROJECT NO. 88-41-254-01

PROJECT AMBIENT AIR SAMPLING SURVEY

8hr Sampler Dupl onto (west) Ambient Air Sampling Survey | TARGET FLOW 25cc/min FLOW FOR CALIBRATION 100cc/min 25cc

AIR SAMPLER #	FLOW CALIBRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	FINAL CALIBRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	TIME RUN XX TO XX	ACTUAL TIME (@ FLOW)	UNIT(S) FLOW	FINAL FLOW AVG. (cc/min)	% DEV.	REMARKS
3	23.36	23.00	23.78	2,105	24.83	24.62	24.63	2,463	1:00p 4:00p	37.5	12-7	2,276	9%	
3	21.03	23.91	24.14	2,196	23.30	23.32	23.68	2,336	4:00p 9:00a	30.0	12-8	2,347	7%	
3	22.87	24.03	23.91	2,393	26.17	25.31	25.27	2,568	9:00a 1:00p	37.5	12-16	2,421	3%	

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BY JPO DATE 12-6 CLIENT City of Commerce SWAQT SHEET NO. ______ OF ______
CHKD. BY ______ DATE 12-16 PROJECT NO. 88-41-254-01
PROJECT AMBIENT AIR SAMPLING SURVEY

8hr Sampler Duplicate (east) AMBIENT AIR SAMPLING SURVEY TARGET FLOW 25cc/min
FLOW FOR CALIBRATION 10cc/2'1.5cc

AIR SAMPLER #	INITIAL CALIBRATION (SEC) 1x	2x	3x	CAL. AVG. FLOW (cc/MIN)	FINAL CALIBRATION (SEC) 1x	2x	3x	CAL. AVG. FLOW (cc/MIN)	TIME ON XX	TO XX	ROTAMETER SETTING @ S BEGIN	@ S END	DATE(S) RUN	FINAL FLOW (AVG.) (cc/MIN)	% DEV.	REMARKS
4	25.39	24.28	24.15	24.61	31.13	30.86	30.81	30.96	1:00A	9:00A	24.5	10.5	12-7	21.88	11%	
				24.38				19.38								
4	23.86	24.10	23.86	23.94	24.39	23.38	23.17	23.64	1:00A	9:00A	24.5	24.5	12-8	25.22	1%	
				25.06				25.38								
4	23.64	23.73	24.23	23.86	25.64	25.26	25.13	25.34	1:00A	9:00A	23.0	23.5	12-16	24.12	3%	
				25.15				23.68								

S = Silver ball indicator

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REG. NO. ______
SHEET NO.

BY JRO DATE 12-6 CLIENT City of Commerce SHEET NO. _____ OF _____

CHKD. BY _____ DATE 12-16 SWART PROJECT NO. 88-41-254-01

PROJECT AMBIENT AIR SAMPLING SURVEY

8 hr Sampler Non-Applicable AMBIENT AIR SAMPLING SURVEY

TARGET FLOW 2 cc/min
FLOW FOR CALIBRATION 10cc/2.5cc

AIR SAMPLER #	TRIPLICATE CALIBRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	FINAL CALIBRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	START TIME AM/PM	END TIME AM/PM	TOTAL RUN TIME (Hours)	DATE(S) RUN	FINAL FLOW AVG (cc/min)	% DEV.	REMARKS
2	23.24	23.51	23.78	23.51	22.25	22.63	22.78	22.89	11:00A	9:00A	30.0	12-7	23.27	11%	S = Silver Ball Indicator
2	21.64	23.93	23.70	25.52	26.23	26.81	26.50	26.51	11:00A	9:00A	33.5	12-8	23.77	5%	
2	23.92	24.27	24.02	24.07	26.32	26.32	26.25	26.30	11:00A	9:00A	30.0	12-16	23.87	4%	

BY: JPD DATE 12-6 CLIENT City of Commerce SHEET NO. ____ OF ____

CHKD. BY ____ DATE 12-16 SWAQT PROJECT NO. 88-41-254-01

PROJECT AMBIENT AIR SAMPLING SURVEY

24hr Sampling North Side

Ambient Air Sampling Survey

TARGET FLOW 8.33 cc/min
FLOW FOR CALIBRATION 500 cc/min

AIR SAMPLER #	FLOW CALIBRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	FINAL CALIBRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	TIME 1st xx	TIME 2nd xx	ELAPSED TIME (hrs)	VALVE(S) POSITION	FINAL FLOW AVG. (cc/min)	% DEV.	REMARKS
5	36.52	36.11	36.08	36.24	38.17	12.50	37.96	39.44	10:15A	10:15A	33.0	12-6	7.93	11%	
5	36.16	36.22	37.57	8.25	11.77	12.28	12.31	7.60	10:15A	9:50A	23.5	12-7			
5	35.91	35.46	39.51	8.12	46.20	19.21	47.95	7.12	9:50A	9:50A	11.5	12-15	7.19	13%	
				36.98				7.80				12-16			
				8.111				6.27							

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SHEET NO.

1-5-10/81

15 = black ball indicator

BY: JPO DATE 12-6 CLIENT City of Commerce SHEET NO. ____ OF ____

CHKD. BY ____ DATE 12-16 SWAQT PROJECT NO. 88-41-254-01

PROJECT AMBIENT AIR SAMPLING SURVEY

2 Hr Sampler South Side

AIR SAMPLER #	TRIPLICATE CONCENTRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	FINAL CONCENTRATION (SCFD) 1x	2x	3x	CALC. AVG. FLOW (cc/min)	TIME PER 1x	2x	TOTAL TIME (min)	ROTAMETER SETTING (cc/min)	UNIT(S) FLOW	FINAL FLOW AVG. (cc/min)	P/O DEV.	REMARKS
1	33.81	34.42	35.94	34.72	63.24	63.70	63.21	63.38	9:45A	9:50A	2:10	10	12-6	6.70	29%	
1	35.91	36.19	35.91	36.01	116.08	115.91	116.15	116.05	9:50A	10:10A	2:10	6.5	12-7	7.13	2%	
1	36.35	35.00	35.69	35.66	53.27	54.03	53.86	53.72	10:10A	10:30A	2:10	5.0	12-8	7.00	20%	
				8.64				8.64					12-15			
				8.33				8.53					12-16			
				8.41				8.58								

TARGET FLOW FOR CALIBRATION 8,333 cc/min 500 cc/30 sec

Ambient Air Sampling Survey

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SIGNED ____ REG. NO. ____ SHEET NO.

1-5-10/81

5 = Black Ball Indicator

CONVERSE ENVIRONMENTAL WEST

3393 East Foothill Boulevard, Suite B
Pasadena, California 91107-3112

Telephone (818) 796-8200
FAX (818) 351-1060

RESULTS OF SWAT GROUNDWATER QUALITY TESTING

Veterans Memorial Park
6364 Zindell Avenue
Commerce, California

PREPARED FOR:

City of Commerce Redevelopment Agency
2535 Commerce Way
City of Commerce, California 90040

PREPARED BY:

CONVERSE ENVIRONMENTAL WEST
Project No. 88-41-254-01
February 27, 1991

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The Converse Professional Group

Chemical analysis of groundwater samples revealed non-detectable concentrations of purgeable halocarbons and aromatic hydrocarbons. Metals concentrations were less than the Maximum Contaminant Levels (MCL's) as codified in the California Administrative Code, Title 22, Chapter 15, Article 4 and Article 8. Chemical analysis of soil pore moisture obtained via the lysimeter (at approximately 36 feet below grade) revealed low concentrations of 1,1,1 TCA, benzene, and toluene.

If you have any questions regarding the results of this hydrogeologic investigation, please do not hesitate to call.

Respectfully,

CONVERSE ENVIRONMENTAL WEST

Glenn R. Jaffé
Senior Staff Geologist

Benjamin M. Swann
Senior Environmental Manager

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PROFESSIONAL CERTIFICATION

This report has been prepared for the exclusive use of the City of Commerce as it pertains to the facility known as Veterans Memorial Park, located at 6364 Zindell Avenue, Commerce, California. Our services have been performed in accordance with applicable State and Local ordinances, and generally accepted practices in the geosciences. No other warranty, either expressed or implied, is made.

Converse Environmental West (CEW) is not responsible or liable for any claims or damages associated with interpretation of available information. This report should not be regarded as a guarantee that no further contamination, beyond that which was detected in our investigation, is present beneath the property. In the event that changes in the nature of the property occur, or additional, relevant information about the property is brought to our attention, the conclusions and recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusions of this report are modified or verified in writing.

Richard H. Walls

Richard H. Walls, P.E.
Principal Environmental Engineer



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EXECUTIVE SUMMARY

Solid Waste Water Quality Assessment Testing (SWAT) was recently implemented at Veterans Memorial Park in the City of Commerce, California, the location of several formerly active landfills. The investigation was completed utilizing guidelines as presented by the State Water Resources Control Board Technical Guidance Manual. The investigation consisted of documents research, field reconnaissance, the installation of groundwater monitoring wells and a lysimeter, and the subsequent analyzation of groundwater samples.

Document research revealed the following: 1) landfill permit requirements, permitting the disposal of household and municipal rubbish, were violated and the landfills accepted and disposed of oil field wastes in the 1940's, 2) groundwater samples collected from nearby (within 1 mile of the subject site) monitoring wells in water year 1988-1989 exhibited trichloroethylene and tetrachloroethylene contamination, 3) chemical analysis of groundwater samples collected from monitoring wells located at Watkins Truck Terminal exhibited contamination by chlorinated hydrocarbons.

Groundwater monitoring wells installed by Converse Environmental West, which are located in up and down gradient positions to permit the collection of representative groundwater samples, were sampled in December, 1990. The lysimeter, which was installed in soils which exhibited high saturation percentages conducive to permitting the extraction of soil pore moisture, was sampled in January, 1991.

Chemical analysis of groundwater samples obtained from the on-site monitoring wells revealed the absence of chlorinated and aromatic hydrocarbon compounds. Various metals were detected in the groundwater samples, however, concentrations were less than the Maximum Contaminant Levels established by the State of California. Chemical analysis of soil pore moisture obtained via the lysimeter (at approximately 36 feet below grade) revealed concentrations of 1,1,1 TCA, benzene, and toluene of 2.6 μg/l, 2.0 μg/l and 12.0 μg/l, respectively.

These analytical results appear to indicate leachate has migrated from the formerly active landfill(s) and impacted the vadose zone beneath a portion of the site. However, groundwater beneath the site does not appear to have been negatively impacted by leachate or contaminants originating from the landfill materials.

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1.0 INTRODUCTION

Following the guidelines as set forth in the State Water Resources Control Board Technical Guidance Manual for Solid Waste Water Quality Assessment Testing (SWAT), Converse Environmental West (CEW) performed a subsurface investigation at Veterans Memorial Park (Figure 1), the location of several formerly active landfill sites, in the City of Commerce, California. The investigation was performed to determine whether leachate originating from the landfill(s) has impacted subsurface soils and/or groundwater beneath the landfill(s). The hydrogeologic investigation consisted of the following:

- A review of documents, permits, maps, county building plans, etc., to determine the extent and boundaries of individual landfills in the immediate vicinity of Veterans Park,
- Drilling, logging and sampling of four boreholes,
- Installation of three groundwater monitoring wells and one lysimeter,
- Analytical testing of groundwater and soil pore water from the vadose zone,
- Preparation of this report.

Supporting data in the form of Boring Logs and Well Completion Diagrams, Methods of Investigation, and Analytical Results are attached as Appendices A, B and C, respectively. Various figures, i.e. Site Plan, Location of Groundwater Monitoring Wells, etc., are also included.

2.0 PREVIOUS SITE INVESTIGATIONS

CEW completed an air quality assessment investigation at Veterans Park to determine whether the formerly active landfill located beneath the site was generating and releasing toxic substances and, subsequently, impacting air quality in the vicinity of Veterans Park. A brief summary of the findings of this investigation is included below.

CEW's report dated March 15, 1990 presented the results of Solid Waste Air Quality Testing (SWAQT) performed at Veterans Park. The investigation, implemented pursuant to a written directive from the South Coast Air Quality Management District (SCAQMD), consisted of local meteorological

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characterization, sampling of landfill gas and ambient air directly above the subject site, and testing to determine if landfill gas has migrated beyond the perimeter of the landfill.

The investigation verified that four independent landfills operated inside or adjacent to Veterans Park in the 1940's and 1950's. Furthermore, the operation of these landfills appears to have resulted in the presence of chlorinated and aromatic hydrocarbons, most notably benzene, vinyl chloride, TCE, and carbon tetrachloride, in the landfill gas beneath Veterans Park. Concentrations of benzene in the landfill gas ranged from 180 to 2800 ppb, vinyl chloride was detected at concentrations ranging from 170 to 4300 ppb, and TCE and carbon tetrachloride were detected at concentrations ranging from 8 to 73 ppb. Additionally, ambient air monitoring above Veterans Park suggests that of the compounds detected, only benzene was potentially being emitted from the landfill to the ambient air. Methane was not detected in the ambient air, however, it was measured at a concentration of 6.7% in the landfill gas.

3.0 SITE HISTORY

Available sources from the City of Commerce City Hall, Los Angeles County Health Department and the Regional Water Quality Control Board indicate several permitted municipal waste landfills operated inside and adjacent to the subject site during the years 1941 to 1954 (Figure 2).

The Fletcher Dump, which operated from 1941 to 1944, was located on the western half of the present day Veterans Park. According to County Health Department file memorandums (Fletcher Rubbish Dump, March, 1988), in early 1943, considerable amounts of redwood sawdust and several thousands of gallons of acid oil sludge had been dumped into the Rio Hondo River bed. Additionally, surface pools of oil sludge were present. Subsequent to the expiration of the operation permit for the Fletcher Dump in 1944, Doris Haney Jones, in 1945, applied for a permit to operate a rubbish dump (solid fill and rubbish) at the same location as the Fletcher Dump. The permit was granted for a period of three years (1945 to 1948). During those three years, Mrs. Jones was found to be in violation (Los Angeles County Health Department file memorandums, March, 1988) of her dump permit on several occasions (accepting oil sludge and dumping in the Rio Hondo Channel right-of-way).

Apparently, in 1948, the Salvage Corporation assumed dump operations from Doris Haney Jones and extended the size of the dump facility to include the property at 7100 East Gage Avenue, to become Watkins Truck Terminal. The Salvage Corporation operated the dump until 1953. The property is currently owned by Watkins Terminals Incorporated.

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The Gage Avenue Dump, which occupied the eastern one-third of the present day Veterans Park and extended eastward an additional 550 feet, apparently operated from 1950 to 1954 and accepted industrial wastes (Los Angeles County Health Department file memorandums, August 10, 1988). The landfill was operated by L.A. Byproducts. The property is now owned by Mr. Mark Slotkin.

In addition to these documented landfills, an undocumented, apparent disposal facility, as evidenced in the Fairchild Collection of Aerial Photographs, also operated between 1950 and 1954. The landfill was approximately located between the boundaries of the Doris Haney Jones and Gage Avenue dumps. This placed the landfill in the central portion of present day Veterans Park (Figure 2).

4.0 SITE CONDITIONS

The subject site, Veterans Memorial Park, is located at 6364 Zindell Avenue approximately .25 miles west of the Santa Ana Freeway and .25 miles south of Gage Avenue in Commerce, California (Figure 1). The subject site is situated in Township 2S, Range 12W, Section 27 and identified in County Assessor Book 6357, pages 18 and 19 as parcels 900 and 904.

Presently, Veterans Park contains several structures, including a multi-level recreational facilities building, a full-sized baseball field with a concrete grandstand for spectators, a relatively large parking area, tennis courts, a children's playground, open grass areas, and several small structures, i.e., restroom facilities, food concession.

The site is bordered to the north by single family residences and a bakery distributor, to the east and west by now vacant properties (formerly International Paper Company and Watkins Truck Terminal) and to the south by the Rio Hondo Channel and Rio Hondo Coastal Basin Spreading Grounds. The spreading grounds were first utilized to replenish and/or augment subsurface water supplies during the 1937-1938 season and, during the months of October, 1989 through May, 1990, approximately 3318 acre-feet of water was introduced into the western spreading basins (verbal communication with John Mitchell of the Los Angeles County Department of Public Works). The spreading grounds, which are currently being renovated, are supplied water from three sources. The sources are: 1) run-off, dam releases, etc., 2) water projects importing water from northern California and the Colorado River, and 3) reclaimed water supplied by the Whittier Narrows, San Jose Creek, and Pomona Water Reclamation Plants. The average surface elevation at the site is approximately 142 feet above mean sea level.

4.1 Geology

The site is underlain by artificial fill material and Holocene Age (0 to 10,000 years old) alluvium which was deposited on Pleistocene Age (10,000 to 2 million years

old) Lakewood Formation sediment (Figure 3). The artificial fill material varies in thickness from approximately 2 feet to 30 feet. Recent age alluvium, consisting predominantly of sand, gravel, clay and sandy clay, underlies the fill material and extends to a depth of approximately 100 feet below surface grade or 50 feet above mean sea level. The Lakewood Formation, which underlies the alluvium, consists of 140 feet of marine and non-marine gravel, sand, sandy silt, silt and clay and extends to an approximate depth of 240 feet below grade or 100 feet below mean sea level (California Department of Water Resources, Bulletin 104, 1961)

4.2 Hydrogeology

Veterans Park is situated in the Central Basin within the Montebello Forebay Area which extends southward from the Whittier Narrows to the city of Downey, westward approximately 2 miles west of the city of Montebello and eastward to approximately 1 mile west of the city of Whittier (Figure 4).

Available literature indicates several water bearing zones occur in the region of the site. In order of increasing depth, the potential water bearing zones are the Semiperched Aquifer, the Gaspur Aquifer, the Exposition Aquifer and the Gardena Aquifer (see Figure 3).

The Semiperched Aquifer is found within the Recent alluvium and consists of 20 to 60 feet of sand and gravel. The Bellflower Aquiclude, a leaky aquiclude ranging in thickness from a few feet to 60 feet, underlies the Semiperched Aquifer and consists of clay and sandy clay with a high percentage of sand and gravel. The base of the Bellflower Aquiclude occurs at a depth of approximately 25 feet below grade or 120 feet above mean sea level. The eastern arm of the Gaspur Aquifer, also found within the Recent alluvium, appears to extend beneath the southern portion of the site. The Gaspur Aquifer consists of coarse sand and gravel ranging in thickness from 40 to 100 feet.

Underlying the Gasper Aquifer are the Exposition and Gardena Aquifers of the Lakewood Formation. The Exposition Aquifer, which consists of 10 to 90 feet of sand and gravel with some clay , underlies the Gaspur Aquifer and is in hydraulic continuity with it. The Gardena Aquifer, which underlies the Exposition Aquifer, is comprised of coarse sand and gravel which range from 20 to 140 feet in thickness (California Department of Water Resources, 1961).

In the vicinity of Veterans Park, groundwater, encountered at a depth of approximately 72 feet below grade during this SWAT investigation, appears to be contained in the Gaspur Aquifer (Figure 3).

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5.0 FIELD INVESTIGATION

5.1 Field Reconnaissance

CEW personnel visited Veterans Memorial Park, the surrounding properties, and a portion of the Rio Hondo Spreading Grounds as a part of this investigation. Field observations, i.e. surface conditions, evidence of subsurface investigation, evidence of landfill activity or materials, etc. were made and recorded.

5.2 Drilling and Logging of Boreholes

CEW field investigation entailed the drilling of 4 soil borings, BH-1, -2, -3, and -4; two of which were continuously cored to permit visual inspection of the soils and to aid in determining the appropriate depths to install lysimeters. Drilling operations were performed by a truck-mounted hollow-stem auger drill rig and supervised in the field by a staff geologist under the direction of a professional engineer. Two of the borings were advanced to a depth of 90 feet below grade, approximately 20 feet beyond first encountered groundwater, one of the borings was advanced to 80 feet below grade, 10 feet beyond first encountered groundwater, and the fourth boring was advanced to 42 feet below grade to permit the placement of a lysimeter. Recovered soils were screened in the field with an organic vapor analyzer (OVA) to determine volatile organic content (Appendix B, Methods of Investigation).

Subsequent to boring completion, 10-inch diameter augers were used to ream boreholes BH-1, BH-2 and BH-4 to permit the installation of 4-inch diameter monitoring-well casing. The groundwater monitoring wells were designated MW-1 through MW-3, respectively (see Appendix A for well completion diagrams and details). Boring BH-3 was utilized to place a lysimeter (Figure 5).

5.3 Lysimeter Placement

During the drilling of borings BH-1, BH-2, and BH-3, the soil cores were visually examined for moisture content in anticipation of installing a lysimeter to permit the extraction of pore moisture from the unsaturated zone. Soil horizons which appeared to exhibit relatively high moisture contents were tested in the field with a Quick Draw soilmoisture probe. Soil samples which contained high moisture content were collected and tested at Converse Consultants geotechnical testing laboratory for saturation percentage. Subsequent to laboratory testing, a lysimeter was installed in boring BH-3 at an approximate depth of 36 feet below grade in soil horizons determined to be between 92 and 100% saturated.

A second lysimeter was proposed to be installed at another location either toward the northern or eastern portion of the site (in the vicinity of borings BH-1 or BH-4), however, soils encountered during the drilling of these boreholes were predominantly sands to silty sands and did not appear to contain enough moisture to facilitate the collection of soil pore moisture samples.

5.4 Groundwater Sampling

Subsequent to the installation of the three groundwater monitoring wells (MW-1, MW-2, and MW-3) in borings BH-1, -2 and -4, respectively, the wells were developed, purged and sampled in the months of December, 1990 and January, 1991. The complete details of the well development, purging and sampling procedures are described in Appendix B, Methods of Investigation.

All groundwater monitoring wells were surveyed to mean sea level by a licensed surveyor. The survey network was tied into a certified Los Angeles County benchmark (CY 1573). This data, in conjunction with water level depths, was utilized to determine groundwater gradient and flow direction beneath the site. Survey data, depth to groundwater, and groundwater elevation calculations are included in Table 1.

Prior to obtaining groundwater samples, the depth to groundwater was measured in each of the three wells. The depths to groundwater ranged from approximately 74.58 to 77.23 feet below the top of the well casing. These depths correspond to groundwater elevations ranging from 68.51 to 73.16 feet above mean sea level (Table 1).

6.0 ANALYTICAL PROCEDURES

Groundwater samples were collected from the three on-site wells and a soil pore water sample was collected from the lysimeter for chemical analysis. Additionally, field blanks containing distilled water and a sample of water from an on-site spigot used to clean field equipment were collected to assure laboratory quality control. The groundwater samples were analyzed by EPA Test Methods 601 and 602 and for EPA Metals, chloride, molybdenum, nitrate, sulfate, and chemical oxygen demand. EPA Test Methods 601 and 602 are utilized to detect purgeable halogenated and aromatic hydrocarbons while EPA Metals analysis screens the sample for 21 metals.

The sample of soil pore water obtained from the lysimeter was analyzed by EPA Test Methods 601 and 602 for purgeable halogenated and aromatic hydrocarbons. Additional chemical analysis, i.e. EPA Metals, could not be performed on the soil pore water sample because the quantity of soil pore water and the ability of the lysimeter to "draw" this water from the soils was not sufficient to permit the collection of enough water to perform analysis for metals.

Detection limits for EPA Test Methods 601 and 602 was 0.5 ug/l, for chloride 0.02 mg/l, for nitrate 0.3 mg/l, for sulfate 0.05 mg/l, for chemical oxygen demand 3.0 mg/l, for molybdenum 0.10 mg/l and the detection limits for EPA Metals, which range from .001 to 0.2 mg/l, are summarized in Tables 2 and 3

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and listed in their entirety in Appendix C.

7.0 ANALYTICAL RESULTS

Laboratory analyses of groundwater samples obtained from groundwater monitoring wells MW-1, -2, and -3 revealed the absence of halogenated and aromatic hydrocarbons. Additional analyses of groundwater samples for EPA Metals revealed various metals exist in the groundwater beneath the site, however, none of the metals concentrations exceeded the Maximum Contaminant Levels (MCL's) as codified in the California Administrative Code, Title 22, Chapter 15, Article 4 and Article 8.

Chemical analysis of soil pore water from the unsaturated zone obtained via lysimeter LY-1 at an approximate depth of 36 feet below grade revealed the presence of 2.6 ug/l of 1,1,1 TCA, 2.0 ug/l of benzene and 12.0 ug/l of toluene. As stated above, the soil pore water was not analyzed for EPA Metals.

Results of these analyses are summarized in Tables 2 and 3. Analytical Methods, and formal analytical results, are presented in Appendix C.

8.0 SUMMARY OF FINDINGS

8.1 Document Research Findings

Document research revealed 4 potential landfills occupied properties in or adjacent to present day Veterans Memorial Park. The landfills were permitted to accept municipal waste and rubbish, however, County of Los Angeles Health Department records indicate the landfills accepted and disposed oil field sludge and other materials not classified as municipal waste or rubbish. Potentially, Veterans Memorial Park overlies three formerly active landfills, the Gage Avenue Dump, the Fletcher/Doris Haney Jones Dumps, and an undocumented landfill.

Additional research revealed that groundwater samples collected from nearby (within 1 mile of the subject site, see Figure 6) monitoring wells 1562E, 1543J and 1583X in water year 1988-1989 exhibited trichloroethylene and tetrachloroethylene at concentrations ranging from non-detectable (less than 0.5 ug/l) to 6.0 ug/l (Bookman-Edmonston Report, April, 1990).

Furthermore, chemical analysis of groundwater samples collected from monitoring wells located at Watkins Truck Terminal exhibited contamination by chlorinated hydrocarbons (verbal communication with Ray Ramirez, City of Commerce Redevelopment Agency).

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8.2 Field Investigation Findings

8.2.1 Field Reconnaissance

Field reconnaissance revealed the Watkins Truck Terminal and the Slotkin property (formerly used as landfills) are experiencing differential settlement. The resultant stress is causing structural failure of the asphalt/concrete covering much of the property, as well as the actual buildings/structures which are present on the sites.

Evidence of subsurface investigation was identified at the Watkins Truck Terminal (presently contains two buildings, one of corrugated metal and the other a loading dock which has been destroyed by fire) in the form of surface excavation pit and the construction of groundwater monitoring wells.

Numerous excavation pits appeared to have been completed and subsequently backfilled while other excavations observed in the vicinity of the corrugated metal structure (possible a repair garage) remain open to a depth of approximately 10 feet below grade. Approximately 10 groundwater monitoring wells were identified on the Watkins property (Figure 7). Several of the groundwater monitoring well heads did not contain a protective cover and were "silted-in", however, most of the well heads were intact and appeared to be in good condition. The western portion of the Watkins property, a vacant, dirt lot without an asphalt or concrete cap, housed several 55 gallon drums with unknown contents. Surface staining by oil was evidenced.

The Rio Hondo Spreading Grounds, located along the entire southern property line of Veterans Park (see Figure 5), are scheduled to be re-utilized as groundwater replenishment areas in early 1991. The re-sloped, earthen sidewalls along the northern portion of the spreading grounds (approximately 25 feet south of Veterans Park property line) evidenced discolored fill soils.

8.2.2 Soil Conditions

In general, soils observed while drilling consisted of interbedded sands, sandy silts, and sandy clays. The sands were generally fine-grained with some medium- to coarse-grained sands and occasional fine to coarse gravels. Figure 8 is a diagrammatic cross-section (Figure 5 diagrams the location of cross-section line A-A') detailing subsurface soil conditions at Veterans Park. Soil moisture ranged from dry to wet with the majority of soils being moist. Landfill material, evidenced in the form of asphalt chunks, glass, brick fragments, wood, etc., was witnessed in three of the borings to depths of 12, 12 and 18 feet below grade. Headspace vapor concentrations, as determined by field screening of soil samples with an OVA, revealed total organic vapor concentrations ranging from 0 to 1200 parts per million (see OVA readings in boring logs, Appendix A).

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8.2.3 Groundwater Conditions

Groundwater, encountered at depths of approximately 72 feet below grade in borings BH-1, BH-2 and BH-4, was evidenced in a silty, fine-to coarse grained sand unit which contained trace quantities of gravel (see Figure 8 and Boring Logs in Appendix A and Methods of Investigation in Appendix B).

Calculations of groundwater elevation indicate a gradient beneath the site of 0.01 feet/foot with a flow direction to the west-southwest (Figure 5).

The Rio Hondo Spreading Grounds, which are located along the entire southern property line, are scheduled to be re-utilized as groundwater replenishment areas in early 1991. Upon its introduction into the spreading basins, water may come into physical contact with landfill materials (discolored soils were evidenced in the northern sidewall of Spreading Basin 9W and document research indicates past landfill operators dumped wastes into the Rio Hondo River Basin) and potentially compromise the quality of subsurface waters. The addition of surface waters into the spreading basins has resulted in past groundwater mounding beneath the basins thus altering the groundwater flow direction and gradient and resulting in the raising of the water table by as much 30 feet, from approximately 70 feet below grade to 40 feet below grade (verbal communication with Don Nickels of the Hydraulic/Water Conservation Division, LACDPW).

9.0 CONCLUSIONS

Solid Waste Air Quality Assessment Testing revealed the presence of chlorinated and aromatic hydrocarbons, most notably vinyl chloride, TCE, carbon tetrachloride, and benzene, in the landfill gas beneath Veterans Park. Additionally, ambient air monitoring above Veterans Park suggested that of the compounds detected, only benzene was potentially being emitted from the landfill to the ambient air.

The City of Commerce's Veterans Park is situated upon four former landfills of which two, the Fletcher Dump and Doris Haney Jones Dump, appear to have accepted regulated oil field wastes during their operation. County records indicate disposal practices in several of the landfills were not as permitted and one of the landfills appears to be completely undocumented.

The vadose zone, as evidenced in soil pore moisture samples obtained via lysimeter LY-1 at a depth of approximately 36 feet below grade, appears to have been impacted by leachate originating from the landfill material. Specific contaminants identified in soil pore moisture obtained by lysimeter LY-1 are 1,1,1 TCA, benzene and toluene. The presence and extent, both vertical and

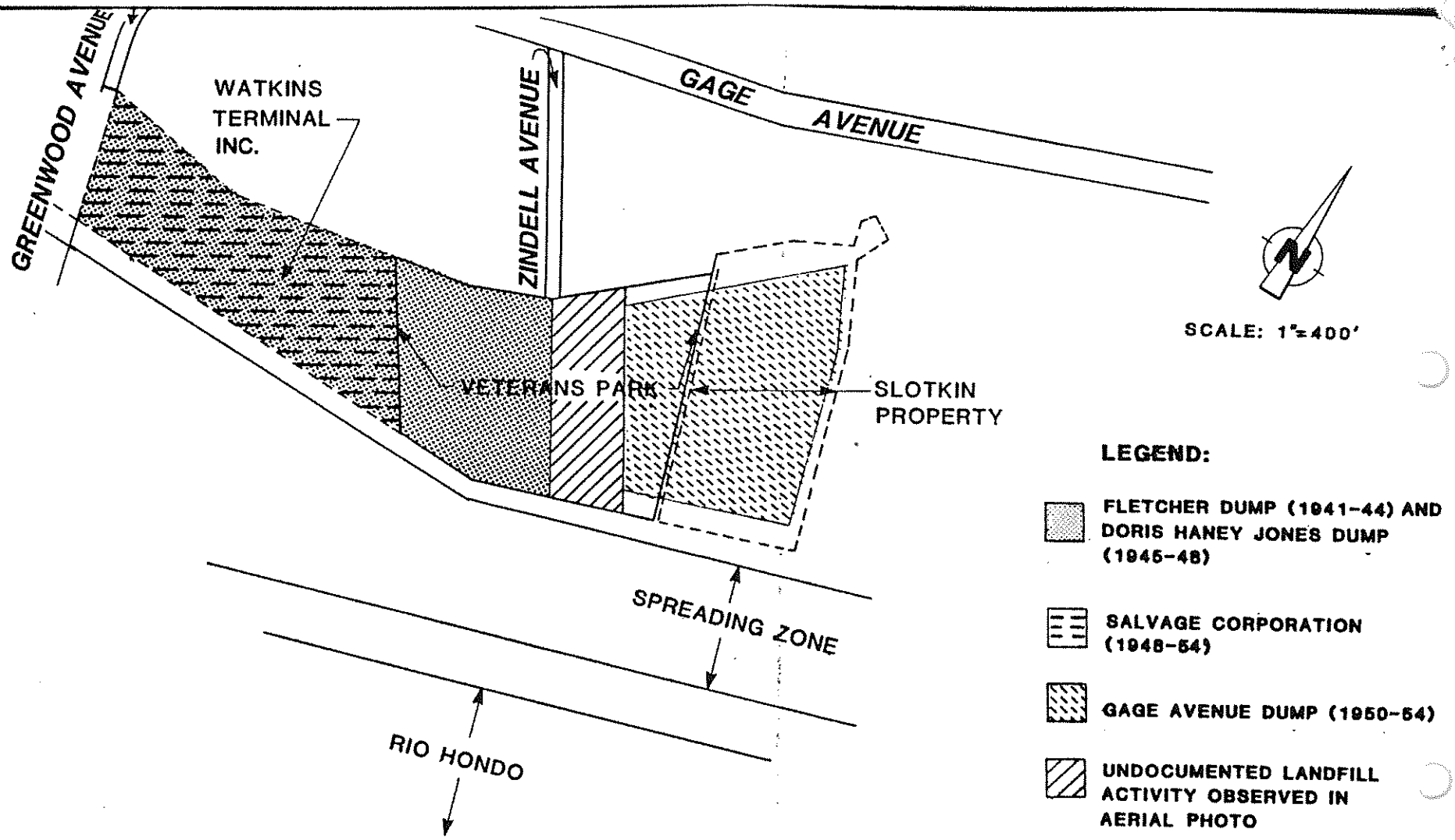
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REFERENCES

Bookman-Edmonston Engineering, Inc., Annual Report On Results of Water Quality Monitoring Water Year 1988-89, April, 1990.

State of California Department of Water Resources, Southern District, Bulletin No. 104, Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A Ground Water Geology, April 1988

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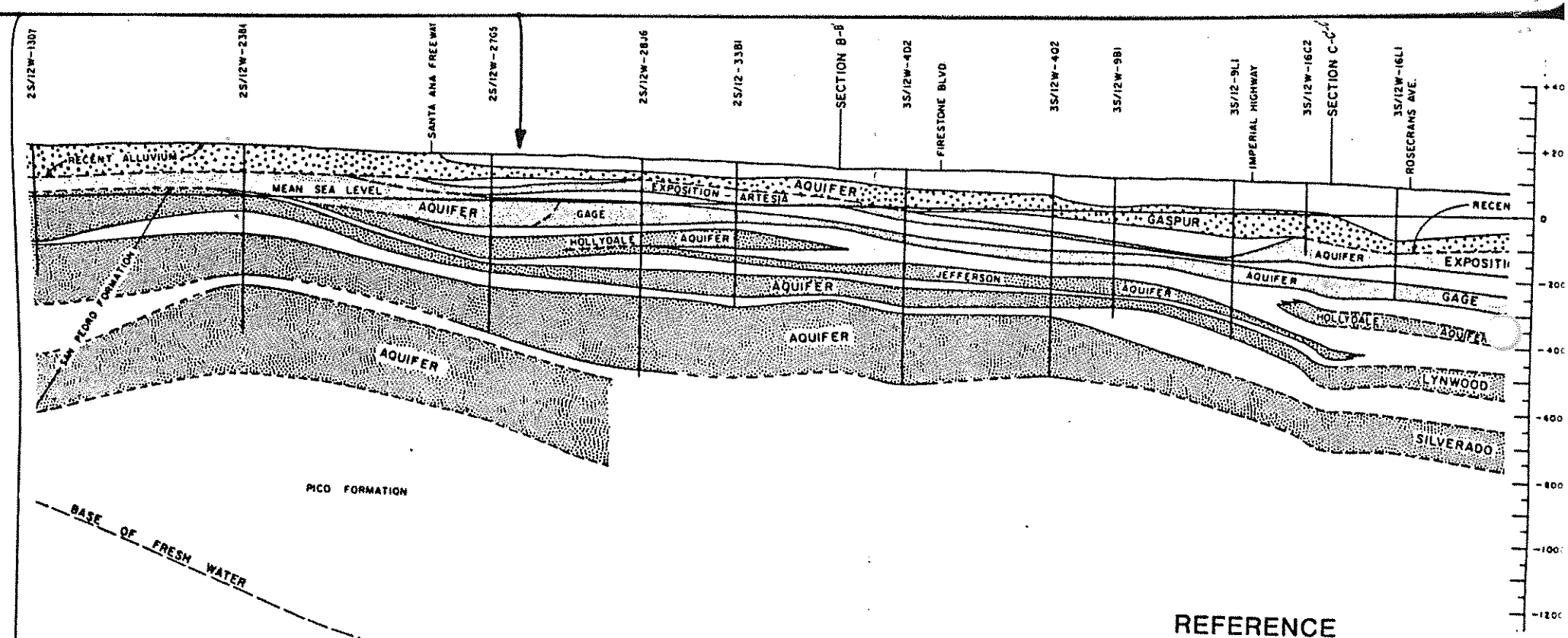
APPROXIMATE BOUNDARIES OF FORMER LANDFILLS

CITY OF COMMERCE/VETERANS PARK
6364 Zindell Avenue
for: Commerce SWAQT

Project No.
88-41-254-01

Converse Environmental West

Figure No.
2



LEGEND

- AQUICLUDES AND DEEPER UNDIFFERENTIATED FORMATIONS
- AQUIFERS IN RECENT ALLUVIUM (INCLUDES THE GASPUR AND BALLONA AQUIFERS)
- AQUIFERS IN LAKEWOOD FORMATION (INCLUDES THE ARTESIA, EXPOSITION, GAGE, AND GARDENA AQUIFERS)
- AQUIFERS IN SAN PEDRO FORMATION (INCLUDES THE HOLLYDALE, JEFFERSON, LYNWOOD, SILVERADO, AND SUNNYSIDE AQUIFERS)
- WATER WELLS
- OIL WELLS
- FAULTS

HORIZONTAL SCALE OF FEET
2000 0 2000 4000 6000
1961

REFERENCE

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN CALIFORNIA DISTRICT

GROUND WATER GEOLOGY OF THE
COASTAL PLAIN OF
LOS ANGELES COUNTY

IDEALIZED GEOLOGIC SECTIONS

AQUIFERS IN THE VICINITY OF VETERANS PARK

CITY OF COMMERCE VETERANS MEMORIAL PARK
6363 Zindell Avenue
Commerce, California

Project No.
88-41-254-01

Converse Environmental West

Figure No.
3

PRESENTATION OF DOCUMENT ASSESSMENT

Watkins Truck Terminal
6370 Greenwood Avenue
Bell Gardens, California

Prepared for:
BARRY KEENAN & ASSOCIATES
15901 Hawthorne Blvd., Suite 210
Lawndale, California 90260

Prepared by:
CONVERSE ENVIRONMENTAL WEST
April 12, 1991

ISSUES OF CONCERN RELATING TO THE PURCHASE OF THE WATKINS TERMINAL

1. KNOWN CONTAMINANTS BENEATH COMMERCE SIDE OF WATKINS TERMINAL:
   - PETROLEUM HYDROCARBON
   - HEAVY METALS

   POTENTIAL CONTAMINANTS:
   - AROMATIC HYDROCARBONS
   - PESTICIDES
   - PNAs

2. FILL MATERIALS BENEATH WATKINS MAY FALL UNDER HAZARDOUS WASTE DESIGNATION.

3. A SOURCE OF TCE CONTAMINATION MAY BE FROM BELL GARDENS SIDE OF THE WATKINS TERMINAL.

4. WATER FROM THE INFILTRATION BASINS MAY BE IN CONTACT WITH FILL MATERIALS CREATING A GROUNDWATER CONTAMINATION PROBLEM.

5. THE CENTRAL GROUNDWATER BASIN AREA MAY BE LISTED IN THE FUTURE AS AN NPL SITE.

RECOMMENDATIONS

1. EVALUATE THE SOURCE AND EXTENT OF TCE CONTAMINATION IDENTIFIED IN GROUNDWATER BENEATH THE WATKINS TERMINAL. IF THE SOURCE OF CONTAMINATION IS FROM THE WATKINS TERMINAL CEW WOULD STRONGLY RECOMMEND THAT TOTAL CLEANUP OR FULL INDEMNIFICATION (IF POSSIBLE) BE GRANTED PRIOR TO PURCHASE OF THE PROPERTY.

2. IF THE SOURCE OF TCE GROUNDWATER CONTAMINATION IS DISCOVERED TO NOT BE FROM THE WATKINS TERMINAL, PERFORM FULL REMEDIAL INVESTIGATION AND FEASIBILITY STUDY (RI/FS) ON FILL SOILS BENEATH THE COMMERCE SIDE OF THE WATKINS TERMINAL. OUR RECOMMENDATIONS CONCERNING THE PURCHASE OF THE PROPERTY WOULD BE CONTINGENT UPON THE CLEANUP COST OF THE LANDFILL.

SUMMARY OF DOCUMENT REVIEW

Following our review of documents prepared by Nutech Enterprises and Jaykim Engineers relating to the environmental conditions of the Watkins terminal, CEW has developed the following conclusions:

- Petroleum hydrocarbons at concentrations up to 39,100 parts per million (ppm) and metals, primarily copper and zinc, were found in test pits on the Commerce side of Watkins Terminal. The media in which the contaminants were found was landfill material. The State of California will regulate this material as a hazardous or contaminated waste. The test pit locations and the concentrations of hydrocarbons and metals are shown in the attached figure and table.

- The same hydrocarbon and metals were detected in landfill material beneath the adjacent City of Commerce's Veterans Park. Historical data has revealed the unregulated disposal of oil field wastes on what may have been both properties (Veterans Park and Watkins Terminal) during the 1940's.

- Extensive testing of soils at Veterans Park has detected numerous other potentially hazardous compounds (including aromatic hydrocarbons, pesticides and polynuclear aromatic hydrocarbons) in the landfill material. Tests have not been conducted on fill material at the Watkins terminal for these compounds.

- Trichloroethylene (TCE) contamination was detected in groundwater on the Bell Gardens side of the Watkins terminal. The data is inconclusive as to the source of the contamination, however, there is a high likelihood of an on-site source (see attached figure). Ground water monitoring wells on the Veterans Park do not evidence TCE contamination suggesting the problem is localized and not regional.

- Los Angeles County groundwater infiltration basins abut the entire southern boundary of the Watkins Terminal. The county finished refurbishment of the basins in January 1991, presumably increasing the basins storage and infiltration capacity. The basins are currently full with rain water runoff from the storms that occurred in March 1991. Groundwater elevations measured in wells on the Watkins Terminal and the Veterans Park on March 2, 1991 evidenced a rise in the water table of 20 to 30 feet and groundwater gradient reversal to the north. The large influx of water into infiltration basins may be creating a situation where infiltration water is now in contact with landfill material. For example, basin water south of Veterans Park is in contact with fill material exposed along the basin walls.

If the source of TCE groundwater contamination is from the Watkins terminal, the filling of the basins could be increasing the plumes extent (both vertical and lateral).

♦ The Regional Water Quality Control Board is attempting to list the entire Los Angeles Central Ground Water Basin on the EPA's National Priorities List (NPL), otherwise known as Superfund, because of groundwater contamination by chemicals including TCE. The investigations and allocation of responsibility (joint and several) would likely proceed in the same manner as is currently proceeding in the San Gabriel and San Fernando Valley, both NPL sites.

TABLE 1

SUMMARY OF EPA METHOD 413.2 ANALYSES
WATKINS TRUCK TERMINAL

PIT NUMBER	EPA METHOD 413.2 (mg/kg)
PH-1	6,100
PH-2	270
PH-3	370
PH-4	71
PH-5	3,600
PH-6	7,500
PH-7	14,900
PH-8*	13,300
PH-9**	39,100
PH-10	4

*Additional previous tests indicated copper concentrations above the TTLC, designating that sample as a hazardous waste.

**Additional previous tests indicated zinc concentrations above the TTLC, designating that sample as a hazardous waste.

CITY OF COMMERCE

REQUEST FOR PROPOSAL (RFP)

INDUSTRIAL HYGIENIST ABATEMENT OVERSIGHT PROFESSIONAL SERVICES

for

C.I.P. NO. 2016-12
Veterans Park Building
Shooting Range Lead Abatement/Demolition

CITY OF COMMERCE
2535 COMMERCE WAY
COMMERCE, CA. 90040

Prepared Under the Supervision of:
Maryam Babaki, P.E.
Director of Public Works and Development Services

Prepared and Issued by:
Public Works and Development Services Department

Date Issued:
October 5, 2016

PROPOSALS DUE: November 2nd by 12:00pm

Mandatory Pre-Bid Meeting: October 20th at 9:00 am

CITY OF COMMERCE
NOTICE INVITING PROPOSALS

Veterans Park Building Shooting Range Lead Abatement/Demolition

PROFESSIONAL SERVICES C.I.P. NO. 2016-12

PUBLIC NOTICE IS HEREBY GIVEN that the City of Commerce ("City"), invites proposals for the above stated project and will receive such proposals in the office of the Public Works & Development Services Department, 2535 Commerce Way, City of Commerce, California 90040, **UP TO THE HOUR OF 12:00PM on November 2, 2016.**

Copies of the Request for Proposal and related documents are available for download at the City's website: http://www.ci.commerce.ca.us/bids.aspx.

In order to be considered in the selection process, interested parties shall submit three (3) copies of their proposal in conformance with instructions provided. Proposals shall be submitted in a sealed envelope plainly marked on the outside: **"VETERANS PARK BUILDING SHOOTING RANGE LEAD ABATEMENT/DEMOLITION – PROFESSIONAL SERVICES CIP #2016-012"**.

The work to be performed includes furnishing all labor, services, materials, tools, equipment, and incidentals necessary to conduct lead and asbestos monitoring, clearance inspections, re-establishment of work area and systems, submittal review and project completion documentation with final report. For the following:

- Approximately 10,925 square foot basement level footprint of the shooting range is to remove all range HVAC system components, range equipment, non-load bearing walls, wallcoverings, ceilings, flooring, base and mastic. All surfaces of the basement level including, stairs, elevator pit and shaft are to be abated of lead containing dust / paint chips.

- Approximately 126 square foot mechanical room footprint that encloses the shooting range exhaust fan. The exhaust fan and all ductwork are to be removed and cleaned / abated of lead dust / paint chips. All interior and exterior surfaces of this equipment room are to be cleaned/ abated.

- Approximately 1300 square feet of side yard at the West side of the building will require abatement of lead dust / paint chips from top of the pavement and mechanical room stairs and storm drains. Approximately 250 lineal feet of CMU block wall's interior face and top of wall will require abatement of lead dust.

- Approximately 8510 square feet of mezzanine corridor and two mechanical rooms require lead dust cleaning / abatement of all surfaces including ductwork, lockers, utility panels, stairs, access ladder, handrails and mechanical roof area.

A **MANDITORY** pre-proposal meeting will be held on: **October 20, 2016 at 9:00 A.M.** at the **City of Commerce, Veteran's Park Multi-Purpose Room**, located at 6364 Zindell Avenue, Commerce, CA. 90040. Please RSVP in writing via e-mail to Paul Banuelos, Project Manager (Consultant) at pbanuelos@swinerton.com with a copy to Gina Nila, Deputy Director of Public Works - Operations at ginan@ci.commerce.ca.us. Please include company name, contact information and phone number.

All questions regarding this proposal shall be directed via email, no later than **October 25, 2016 at 10:00 am**, to Paul Banuelos, Project Manager (Consultant) at pbanuelos@swinerton.com with a copy to Gina Nila, Deputy Director of Public Works - Operations at ginan@ci.commerce.ca.us. ***It is the responsibility of the proposer to confirm transmission of correspondence.***

The City reserves the right to reject any or all proposals, to waive any irregularity, and to take all proposals under advisement for a period of thirty (30) days.

BY ORDER OF the City Council of the City of Commerce, California on **October 4, 2016.**

Gina Nila, Operations, Deputy Director of Public Works - Operations DATE

CITY OF COMMERCE
Purchasing Division
2535 Commerce Way
Commerce, CA 90040
(323) 722-4805

REQUEST FOR PROPOSAL
Issue Date: **10/05/16**
Closing Date: **11/02/16 at 12:00PM**
Gina Nila, Deputy Dir. of P.W Operations
E-mail: ginan@ci.commerce.ca.us

REQUEST FOR PROPOSALS (RFP)
INDUSTRIAL HYGIENIST ABATEMENT OVERSIGHT PROFESSIONAL SERVICES
FOR CITY OF COMMERCE

Veterans Park Building Shooting Range Lead Abatement/Demolition

PROFESSIONAL SERVICES C.I.P. NO. 2016-12

INTRODUCTION AND DESCRIPTION

The City of Commerce is soliciting Proposals (hereinafter referred to as RFP) from qualified firms to provide professional INDUSTRIAL HYGENTIST ABATEMENT OVERSIGHT PROFESSIONAL SERVICES for the **VETERANS PARK SHOOTING RANGE LEAD ABATEMENT/DEMO Project**. The Firing Range was in operation from approximately 1970 to 2009. Elevated lead-based paint and lead dust was detected on all surfaces and within the Shooting Range and the ventilation system. In addition, elevated lead dust was found on exterior surfaces immediately surrounding the Veteran's Park Recreational Building, located at 6364 Zindell Ave, Commerce, CA 90040. Lead dust, soil, paint and XRF sampling were performed. It is believed that the ventilation system used for the Range during weapons firing and trap cleaning actions are the primary source of lead dust contamination inside and immediately outside of the Range.

Project Location:

Veteran's Park
6364 Zindell Avenue
Commerce, CA. 90040

SCOPE OF WORK

Overview - The project involves conducting lead and asbestos abatement monitoring, clearance inspections, re-establishment of work area and systems, submittal review and project completion documentation with final report.

The abatement and demolition scope that is to be documented:

- Approximately 10,925 square foot basement level footprint of the shooting range is to remove all range HVAC system components, range equipment, non-load bearing walls, wallcoverings, ceilings, flooring, base and mastic. All surfaces of the basement level including, stairs, elevator pit and shaft are to be abated of lead containing dust / paint chips.

- Approximately 126 square foot mechanical room footprint that encloses the shooting range exhaust fan. The exhaust fan and all ductwork are to be removed and cleaned / abated of lead dust / paint chips. All interior and exterior surfaces of this equipment room are to be cleaned/ abated.

- Approximately 1300 square feet of side yard at the West side of the building will require abatement of lead dust / paint chips from top of the pavement and mechanical room stairs and storm drains. Approximately 250 lineal feet of CMU block wall's interior face and top of wall will require abatement of lead dust.

- Approximately 8510 square feet of mezzanine corridor and two mechanical rooms require lead dust cleaning / abatement of all surfaces including ductwork, lockers, utility panels, stairs, access ladder, handrails and mechanical roof area.

TIMELINE (milestones)

- **Pre-Proposal Meeting** — **10/20/2016 at 9:00 AM**
- **Pre-Proposal Inquires due** — **10/25/2016**
- **Proposals due** — **11/02/2016 by 12:00 PM**
- **Award Notification by** — **12/07/2016**
- **Abatement / Demo** — **30 working days max.**
- **Final Report due** — **10 working days after clearance issued**

GENERAL ADMINISTRATIVE INFORMATION

1. **SELECTED CONSULTANT:** The selected consultant will be required to sign a Professional Service Agreement with the City (sample is included as Attachment B) for this project. Each prospective consultant is expected to review the general terms and conditions and acknowledge their acceptance of the Attachment or their objections to specific parts as a mechanism to expedite the contract execution process.

2. **PRE-PROPOSAL SUBMITTAL MEETING:** A **MANDATORY** pre-proposal meeting which will be held at the **City of Commerce, Veteran's Park Multi-Purpose Room**, located at 6364 Zindell Avenue, Commerce, CA. 90040 on **October 20, 2016 at 9:00 am.** Please RSVP in writing via e-mail to Paul Banuelos, Project Manager (Consultant) at pbanuelos@swinerton.com with a copy to Gina Nila, Deputy Director of Public Works - Operations at ginan@ci.commerce.ca.us. Please include company name, contact information and phone number

3. **QUESTIONS:** All questions regarding this proposal shall be directed via email, no later than **October 25, 2016 at 10:00 am**, to Paul Banuelos, Project Manager (Consultant) at pbanuelos@swinerton.com with a copy to Gina Nila, Deputy Director of Public Works - Operations at ginan@ci.commerce.ca.us. Responses will be distributed to all interested parties.

3. **REPLY FORMAT**: Proposal must follow the format as set in this request. Proposals must be returned by the due date to the indicated address. Individuals/firms must submit three (3) copies of the proposal. Please minimize the bulk of your proposal by only submitting one (1) copy of standard brochures and materials. You are free to organize your proposal as you wish, so long as it includes the requested information, including all of the forms contained in this request. Firms are required to clearly identify any limitations or exceptions to the requirements defined in this request. Alternative approaches will be given consideration if the approach clearly offers increased benefits to the City.

4. **PROPOSAL ACKNOWLEDGMENT AND RECEIPT:** A Proposal Acknowledgment form must be completed and submitted with proposal (see attachment A).

5. **FIRM QUALIFICATIONS:** The individual / firm shall have been in business doing this type of work in California for at least five years.

6. **RESPONSIVENESS AND SELECTION PROCESS:** The decision for selection will be made on a combination of criteria and the City reserves the right to reject any and all proposals or to waive any minor errors, discrepancies or irregularities. The selection will be at the discretion of the City and may be made in any manner that best meets the needs of the City.

7. **SUBCONTRACTORS:** The City prefers a proposal with a single or primary individual / firm. If you propose a multi-firm (one firm must be identified as the lead entity) or subcontracted approach, clearly identify the responsibilities of each party and the assurances of performance that your proposal includes.

8. **PROPOSED CONTRACT:** Attachment B of this request is a sample Professional Services Agreement that the City intends to use in awarding this contract. The individual / firm should review the terms and conditions contained in the Agreement and must note any exceptions, additions or modifications they would propose for consideration by the City. Blanket substitution of the individual / firm's standard contract or the Standard AIA Agreement in lieu of the City Agreement will not be permitted.

9. **INSURANCE REQUIREMENTS:** As indicated in Section 12 of the Professional Services Agreement included as Attachment B, the selected individual/firm will be required to provide proof of insurance for each of the insurance categories so noted. The individual/firm will be required to name the City of Commerce as additional insured.

10. **PAYMENT TERMS:** The City payment terms are, at a minimum, Net 30 days after receipt of all goods and/or services and receipt of an accurate invoice and associated warranties. The City may, at its discretion, agree on a phased approach to invoicing and payment

based upon defined benchmarks agreed to by the City and the individual / firm.

11. **DELIVERY:** All goods and services shall be delivered to the City, F.O.B. Destination. The individual/firm shall deliver completely by the dates agreed to in this agreement. Failure to deliver in a timely fashion is cause for the City to terminate this agreement.

12. **FIRM PRICES:** All quotes shall be held firm for a minimum of sixty (60 days) after the proposal due date to allow adequate time for the City to consider each proposal and make an award. All blanks for unit price and total price shall be completed. Any discrepancy between the unit price and the extended or total price shall be determined by taking the lower price. Upon receipt of this proposal by the City, the individual/firm shall be presumed to be thoroughly familiar with all aspects of this work. The failure or omission to examine any location, equipment, form, instrument or document shall in no way relieve the individual/firm from any obligation with respect to this proposal.

13. **LITIGATION:** In the event of litigation between the parties concerning this Agreement, the prevailing party shall be entitled to reasonable attorney's fees and associated costs. The laws of the State of California shall govern this Agreement. If any provision of this Agreement becomes invalid or unenforceable, the remainder of the Agreement shall not be affected.

14. **ASSIGNMENT:** This Agreement, nor any part of this Agreement, may be assigned without the written consent of the other party.

15. **CANCELLATION CLAUSE:** The City may terminate and cancel any purchase order or contract that result from this project without obligation at any time prior to receipt of the goods or services.

16. **HOLD HARMLESS:** The individual/firm shall defend, indemnify and hold the City, its officers, employees and agents harmless from any liability for damage or claims of same, including, but not limited to, personal injury, property damage and death, which may arise from Firm or Firm's contractor, subcontractors, agents or employees operating under this Agreement, excepting suits and actions brought by Firm for default of this Agreement or to the extent the claim arises out of the sole negligent or willful misconduct of City. City shall cooperate reasonably in the defense of any action, and Firm shall employ competent counsel, reasonably acceptable to City Attorney.

17. **KICK-OFF MEETING AND PRESENTATIONS**: Kick-off Meeting – Individual / firm and project team shall meet with City personnel within five (5) business days of contract award to discuss project requirements, schedule, deliverables and expectations.

18. **PRESENTATIONS:** Individual / firm and project team must be available for a minimum of two (2) presentations of their proposal and or during the course of the project and upon the City's request for such a presentation.

CONSULTANT SELECTION

The City will evaluate the proposals submitted, and select the most qualified consultant for the project. The proposals will be evaluated based upon several factors. These factors include the format, organization, and presentation of the proposal, the qualification and experience of the project staff, and the experience in the processes and procedures of the involved regulations.

In evaluating the proposals, the City will consider the following factors:

- Completeness of the Proposals and compliance with the required format.

- Project understanding, scope and approach to complete the project efficiently.
- Knowledge in Public Agency Procedures and Requirements.
- Experience in managing similar projects.
- Experience and qualifications of the firm and the project team members.
- Experience in Public Contract Procedures, Requirements, Laws and Construction Claims.
- Experience in working as an extension of City staff and providing turn-key services in similar capacities with minimal direction from City staff.
- Experience of Construction Manager and Specialty Inspector.
- References and performance records on similar assignments.

Upon receipt of Proposals, City may select the most qualified consultant as a 1 step process or may conduct additional interviews with the top 3 ranked consultants. The City will negotiate final scope and fee with the most qualified consultant.

REQUIRED FORMAT FOR PROPOSAL SUBMITTAL

The City of Commerce requests that interested individuals and firms send a detailed proposal to provide the requested services mentioned above. Three (3) copies of the proposal shall be submitted. Submittals shall be limited to a cover letter and 30 pages (one-sided) or 15 pages (double-sided), 8-1/2" x 11" in size, with pages distributed into each section as noted below. Facsimile copies will not be accepted. Proposals must contain the information listed below:

1. A cover letter including the name and address of the firm or individual, the telephone number to be used for contact, along with the name of the individual(s) who will be authorized to make presentations for the firm, and a statement regarding your firm's or individual capacity to perform the specific tasks outlined in this request. Also include statements regarding your firm's stability in the industry.

2. A statement on the individual / firm's project understanding and approach including a scope of work for each phase. The statement shall include a detailed scope and understanding of the process to undertake project and complete work in compliance with all applicable rules, regulations, standards and requirements.

3. A statement on the principal individual(s) who will be responsible for the assignments, along with their experience and qualifications. Statement shall include an organizational chart showing the names and responsibilities of key personnel. The proposed Professional Staff shall be licensed in California and shall have experience working with Public Agencies in similar assignments. It is important that the key project team members have served public agencies in various capacities, and are accustomed to working with governmental agencies, and have good understanding of public agency issues, procedures, and policies. The City is looking for a qualified team that can provide turn-key services, and be the single Point of Responsible Party representing the City in all aspects of the project. Provide resumes of key personnel identified in the organizational chart.

4. Examples of firm's or individual's previous work, relevant experience with similar construction and explanation on how the firm have kept current in general practice. Please include the scope of work, budget, date of completion and the principal for the listed projects. (Limit to 5 pages).

5. A list of at least five (5) references for which you or your firm have performed similar services. Include the project name, contact name, and address and telephone number for each reference.

6. Fee structure for services shall include:
    a. A listing of standard hourly rates for assigned staff positions;
    b. A brief explanation on how fees are determined.

7. Proposal shall include a time schedule for the completion of services, including a current estimate for the duration of each phase including the demolition and abatement period for the project.

8. Additional information may be provided to highlight or expand upon experience applicable to this request. (Limit to 8 pages).

9. The scope of work provided in this RFP will be used as a guideline only. It will be the selected consultant's responsibility to identify all necessary tasks and costs associated with the requested services and to ensure that each phase of the project is completed efficiently and in full compliance as required by applicable regulations and permits.

PRE-CONTRACTUAL EXPENSES

All costs for the preparation of the proposal shall be borne by the proposing individual / firm. The City shall not be liable for any pre-contractual expenses incurred by any proposer or by any selected consultant. Each proposer shall protect, defend, indemnify, and hold harmless the City from any and all liability, claims, or expenses whosoever incurred by, or on behalf of, the entity participating in the preparation of its response to this RFP.

The City reserves the right to amend, withdraw and cancel this RFP. The City reserves the right to reject all responses to this request at any time prior to contract execution. The City reserves the right to request or obtain additional information about any and all proposals.

RFP ATTACHMENTS

A - Proposal Acknowledgment and Receipt
B – Professional Services Agreement

RFP - ATTACHMENT A

Proposal Acknowledgment and Receipt

REQUEST FOR PROPOSALS (RFP)
INDUSTRIAL HYGIENIST ABATEMENT OVERSIGHT SERVICES
FOR
CITY OF COMMERCE

C.I.P. NO. 2016-12
Veterans Park Building
Shooting Range Lead Abatement/Demolition

The undersigned proposes to furnish professional services to the City of Commerce California for the stated prices in accordance with the terms and conditions set in this Request for Proposal.

The undersigned understands and agrees that the conditions set forth in this Request for Proposal, together with the proposal and any other documents submitted in response to the foregoing, shall form a part of and be constructed as part of the purchase order/agreement.

FIRM:

Company Name	Street Address of Company
Signature of Officer	City, State, Zip Code
Printed Name of Officer	Telephone No./Fax No.
Title of Officer	Federal I.D. Tax Number

MUST BE COMPLETED AND SUBMITTED WITH PROPOSAL

RFP - ATTACHMENT B

PROFESSIONAL SERVICES AGREEMENT

Between CITY OF

COMMERCE

And

ENTER FIRM NAME HERE

DATED: ENTER DATE HERE

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ATTACHMENT 1
SAMPLE CITY AGREEMENT

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT ("Agreement") entered into this____day of_____, 2016, ("Effective Date") is by and between_____("Contractor") located at _____and the City of Commerce, a Municipal Corporation ("CITY") located at 2535 Commerce Way, Commerce CA 90040;

W I T N E S S E T H

This Agreement is made and entered into with respect to the following facts:

WHEREAS, the City has determined that it requires the services of a professional that can provide professional architectural, engineering, and construction management services for the City's Emergency Operations Center Project;

WHEREAS, the City desires to have a contract in place for these services prior to implementation and construction of said project;

WHEREAS, Contractor represents that it is fully qualified to perform such professional services by virtue of its experience and the training, education and expertise of its principals and employees;

WHEREAS, Contractor further represents that it is willing to accept responsibility for performing such services in accordance with the terms and conditions set forth in this Agreement.

1. Scope of Services and Schedule of Performance

Contractor shall provide City with such professional services as are set forth in Exhibit A, "Scope of Services," which is attached hereto and incorporated herein by this reference. NOTE: the Appendices that are prepared in response to the RFP and/or the Proposal by the successful bidder will be used as the Scope of Services attachment.

2. Warranty

Contractor warrants that the services provided under this Agreement will be performed with the degree of skill and judgment normally exercised by recognized professionals performing services of a similar nature at the time the services were rendered.

3. Term of Agreement

The term of this Agreement shall be for an initial one year period. The City shall have the option to extend the Agreement for two one-year terms. If the City desires to exercise such option(s), the City shall advise Contractor at least thirty (30) days prior to the expiration of the initial term or the initial option period.

4. Compensation and Payment

4.1. So long as Contractor is discharging Contractor's obligations in conformance with the terms of this Agreement, Contractor shall be paid such compensation rates as are set forth in Contractor's ***[insert Contractor's fee schedule date]*** fee schedule to City attached hereto as Exhibit B and incorporated herein by this reference. Contractor will not be eligible for any paid benefits for federal, social security, state workers' compensation, unemployment insurance, professional insurance, medical/dental, or fringe benefits offered by City.

4.2. Such fees shall be payable following receipt of an itemized invoice for services rendered submitted to City in a timely manner. Contractor shall send and address its bill for fees, expenses, and costs to City to the attention of the City Administrator upon completion of services invoiced to City on a monthly basis.

4.3. Payment by the City to Contractor shall be within 30-days of receipt of approved invoices. Payments will be based on approved invoices which include all required reports and detailed back-up information on all expenses. City shall pay the full amount of such invoice; provided, however, that if City or its City Administrator object to any portion of an invoice, City shall notify Contractor of City's objection and the grounds therefore within thirty (30) days of the date of receipt of the invoice, and the parties immediately shall make every effort to settle the disputed portion of the invoice.

5. Financial Records

Contractor shall maintain complete and accurate records with respect to fees and costs incurred under this Agreement. All such records shall be maintained on a generally accepted accounting basis and be clearly identified and readily accessible for audit or examination. Contractor shall keep, maintain and provide free access to such books and records to examine and audit the same, and to make transcripts thereof as necessary, and to allow inspection of all work data, documents, proceedings and activities related to this Agreement for a period of four (4) years from the date of final payments under this Agreement. All accounting records shall readily provide a breakdown of fees and costs charged to this Agreement.

6. Right of Termination

6.1. City may in its sole discretion terminate this Agreement by providing Contractor with a thirty (30) day written notice.

6.2. Contractor may terminate this Agreement by giving the City a 60-day advance written notice if such termination is necessary.

6.3. With the 60-day written notice of termination, Contractor shall give City a written explanation of the reason that the Contractor believes termination is necessary, and cooperate with the City in an effort to resolve the issue.

6.4. Termination by either party hereunder, shall not relieve Contractor from providing services required to be performed up to the effective date of such termination, nor relieve City of its duty to pay the approved costs, prorated as necessary, to the effective date of such termination, or any other reimbursements, fees or expenses to be paid to Contractor by the terms of this Agreement.

7. Independent Contractor

Contractor is and shall perform its services under this Agreement as a wholly independent contractor. Contractor shall not act nor be deemed an agent, employee, officer or legal representative of City. Except as otherwise expressly set forth herein, Contractor shall not at any time or in any manner represent that it or any of its agents, employees, officers or legal representatives are in any manner agents, employees, officers or legal representatives of City. Contractor has no authority to assume or create any commitment or obligations on behalf of City or bind City in any respect. This Agreement is not intended to and does not create the relationship of partnership, joint venture or association between City and Contractor. None of the foregoing shall affect any privilege or protection against disclosure which applies to the services Contractor undertakes under this Agreement.

8. Contractor to Provide Required Personnel; Subcontracting

Contractor shall provide and direct the necessary qualified personnel to perform the services required of and from it pursuant to the express and implied terms hereof, with the degree of skill and judgment normally exercised by recognized professional firms performing services of a similar nature at the time the services are rendered, and to the reasonable satisfaction of City. Contractor may not have a subcontractor perform any services required under this Agreement unless the subcontractor is first approved and authorized to perform such work by the City.

9. Responsible Principal and Project Manager

Contractor shall be required to identify a Project Manager for Contractor who shall be responsible for complying with Contractor's obligations under this Agreement and shall serve as principal liaison between City and Contractor. Designation of another responsible principal or project manager by Contractor shall not be made without the prior written consent of City.

10. City Liaison

Contractor shall direct all communications to the Director of Community Development of City or his designee. All communications, instructions and directions on the part of City shall be communicated exclusively through the Director of Community Development or the City Administrator of City or their designees.

11. Licenses

Contractor warrants that it and its employees have obtained all valid licenses and/or certifications generally required of professionals providing services such as the services required under this Agreement by all applicable regulating governmental agencies and are in good standing with such applicable regulating governmental agencies.

14. Compliance with Laws

Contractor shall, and shall ensure that its employees and sub-contractors comply with all applicable City, county, state, and federal laws and regulations (including occupational safety laws and regulations) in performing the services required under this Agreement, and shall comply with any directions of governmental agencies and City relating to safety, security, and

the like as they pertain to the performance of this Agreement.

15. Insurance

Contractor shall maintain insurance and provide evidence thereof as required by Exhibit C hereto (the "Required Insurance"). Contractor shall also require each of its subcontractors to maintain insurance coverage that meets all of the requirements of this Agreement.

16. Indemnification

16.1 Contractor shall indemnify and hold City and its respective officials, officers, agents and employees harmless from and against any and all liabilities, including but not limited to losses, damages, demands, claims, actions, fees, costs, and expenses City's respective officials, officers, agents and employees hereafter may suffer in connection with any claim, action, or right or action (at law or in equity) because of any injury (including death) or damage to person or property proximately caused by any negligent acts, errors, or omissions by Contractor, its employees, its subcontractors or its agents in the performance of Contractor's obligations under this Agreement. Contractor shall not be liable to the extent that any liability, loss, damage, cost, and expense is caused from an act of negligence or willful misconduct by City or its respective officials, officers, employees or agents. Upon demand, Contractor shall promptly provide a defense to such claims, actions or right of action (at law or equity) and shall promptly pay for all associated and resulting costs, damages, settlements, penalties, judgments, fees and expenses, including attorneys' fees and costs.

16.2. City shall have the right to offset against the amount of any compensation due Contractor under this Agreement any amount due City from Contractor as a result of Contractor's Contractor failure to pay City promptly any indemnification arising under this Section and related to Contractor's Contractor failure to either (i) pay taxes on amounts received pursuant to this Agreement or (ii) comply with applicable workers' compensation laws.

16.3. Contractor agrees to obtain executed indemnity agreements with provisions identical to those set forth here in this Section 16 from each and every subcontractor or any other person or entity involved by, for, with or on behalf of Contractor in the performance of this Agreement. Contractor agrees to be fully responsible and indemnify, hold harmless and defend City, its officers, agents, employees and volunteers from and against any and all claims and losses, costs or expenses for any damage due to death or injury to any person and injury to any property resulting from any alleged intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of Contractor's subcontractors or any other person or entity involved by, for, with or on behalf of Contractor in the performance of this Agreement. Such costs and expenses shall include reasonable attorneys' fees incurred by counsel of City's choice.

16.4. City does not, and shall not, waive any rights that it may possess against Contractor because of the acceptance by City, or the deposit with City, of any insurance policy or certificate required pursuant to this Agreement. This hold harmless and indemnification provision shall apply regardless of whether or not any insurance policies are determined to be applicable to the claim, demand, damage, liability, loss, cost or expense.

17. Confidentiality

Contractor shall maintain as confidential and not disclose to others, either before or after the termination of this Agreement, any data, documents, reports, or other information provided to Contractor by City, or employees or agents of City, or any data, documents, reports, or other information produced by Contractor during its performance hereunder, except as expressly authorized in writing by City, or to the extent required for: (1) compliance with professional standards of conduct for the preservation of the public safety, health, and welfare, but only after Contractor notifies City of such need for disclosure; and (2) compliance with any court order or other government directive or requirement, but only after Contractor notifies City of such an order, directive, or requirement. Contractor shall keep all "Confidential" materials received or generated under this Agreement in separate files marked "Confidential." Any non-compliance by Contractor with this part of the Agreement shall be deemed a material breach of this Agreement. The obligations of this paragraph shall survive the termination of this Agreement.

18. Ownership of Documents

All original documents, designs, drawings, methodological explanations, computer programs, reports, notes, data, materials, services and other products prepared in the course of providing the services under this Agreement (collectively, the “products”) shall become the sole property of City except as prohibited by law, and City shall have authority to publish, disclose, distribute, use, reuse or disposed of the Products in whole or in part, without the permission of Contractor except as prohibited by law. In the event that this Agreement is terminated by City or Contractor, Contractor shall provide City with any finished or unfinished Products. No documents, designs, drawings, methodological explanations, computer programs, reports, notes, data, materials, services and other products prepared in whole or in part under this Agreement shall be the subject of an application for copyright or submitted for publication by or on behalf of Contractor. Notwithstanding such ownership, Contractor shall be entitled to make and obtain copies or reproductions of such Products for its own files or internal reference.

19. Data and Services to be Furnished by City

All information, data, records, reports and maps as are in possession of City and necessary for the carrying out of this work shall be made available to Contractor without charge. City shall make available to Contractor members of its staff for consultation with Contractor in the performance of this Agreement. City does not warrant that the information data, records, reports and maps heretofore to be provided to Contractor are complete or accurate and Contractor shall satisfy itself as to such accuracy and completeness. City and Contractor agree that City shall have no liability should any of the information, data, records, reports, and maps be inaccurate, incomplete or misleading.

20. Covenant Against Contingent Fees

Contractor warrants that it has not employed or retained any company or person to solicit or secure this Agreement and that it has not paid or agreed to pay any company or person any fee, commission or percentage from the award or making of this Agreement. For breach or violation of this warranty, City shall have the right to terminate this Agreement without liability, or in its discretion, to deduct from the consideration payable to Contractor, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

21. Conflict of Interest

Contractor covenants that neither it nor any officer or principal of its firm have any interests, nor shall they acquire any interest, directly or indirectly which will conflict in any manner or degree with the performance under this Agreement. Contractor further warrants its compliance with the Political Reform Act (Gov. Code § 81000, et seq.) and all other laws, if applicable, respecting this Agreement and that no services shall be performed by either an employee, agent, or a subcontractor of Contractor, who has a conflict relating to City or the performance of services on behalf of City.

22. Other Agreements

Contractor warrants that Contractor is not a party to any other existing agreement that would prevent Contractor from entering into this Agreement or that would adversely affect Contractor's ability to perform the services under this Agreement. During the term of this Agreement, Contractor shall not, without City's prior written consent, perform services for any person, firm, or corporation other than City if such services could lead to a conflict with Contractor's obligations under this Agreement.

23. Waiver of Breach

No waiver of any term, condition or covenant of this Agreement by City shall occur unless signed by the City Administrator of City and such writing identifies the provision which is waived and the circumstances or period of time for which it is waived. Such waiver shall be for the specified period of time only and shall not apply to any subsequent breach. In addition, such waiver shall not constitute a waiver of any other term, condition or covenant of this Agreement nor shall it eliminate any remedies available to City for any breaches of this Agreement which are not excused by such waiver. A delay in communicating a failure of Contractor to satisfy a term, condition or covenant in no way waives that term or any remedies available for its breach.

24. No Discrimination

In the performance of this Agreement, Contractor shall not discriminate against any employee, subcontractor, or applicant for employment because of race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition or sexual orientation. Contractor will take affirmative action to ensure that subcontractors and applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition or sexual orientation.

25. Captions

The captions appearing at the commencement of the sections hereof, and in any paragraph thereof, are descriptive only and for convenience in reference to this Agreement. Should there be any conflict between such heading, and the section or paragraph thereof at the head of which it appears, the section or paragraph thereof, as the case may be, and not such heading, shall control and govern in the construction of this Agreement. Masculine or feminine pronouns shall be substituted for the neuter form and vice versa, and the plural shall be substituted for the singular form and vice versa, in any place or places herein in which the context requires such

substitution(s).

26. Waiver

The waiver by City or Contractor of any breach of any term, covenant or condition herein contained shall not be deemed to be a waiver of such term, covenant or condition or of any subsequent breach of the same or any other term, covenant or condition herein contained. No term, covenant or condition of this Agreement shall be deemed to have been waived by City or Contractor unless in writing.

27. Cumulative Remedies

Each right, power and remedy provided for herein or now or hereafter existing at law, in equity, by statute, or otherwise shall be cumulative and shall be in addition to every other right, power, or remedy provided for herein or now or hereafter existing at law, in equity, by statute, or otherwise. The exercise, the commencement of the exercise, or the forbearance of the exercise by any party of any one or more of such rights, powers or remedies shall not preclude the simultaneous or later exercise by such party of any of all of such other rights, powers or remedies. In the event legal action shall be necessary to enforce any term, covenant or condition herein contained, the party prevailing in such action, whether reduced to judgment or not, shall be entitled to its reasonable court costs, including accountants' fees, if any, and attorneys' fees expended in such action. The venue for any litigation shall be San Bernardino County, California.

28. Assignment

Neither this Agreement nor any rights or obligations hereunder may be assigned or otherwise transferred by Contractor. Any attempt to so assign or transfer this Agreement or any rights or obligations hereunder without such consent shall be void and of no effect.

29. Attorneys' Fees

In the event arbitration or a judicial proceeding is brought to enforce the terms of this Agreement, the prevailing party shall be entitled to recover from the other party its reasonable costs and attorneys' fees incurred in connection therewith.

30. Notices

Notices provided hereunder shall be delivered by certified First Class U.S. Mail, postage prepaid, or by personal service as required in judicial proceedings, directed to the address provided below:

For City:
City of Commerce
2535 Commerce Way
Commerce, California 90040
Attn: Gina Nila, Operations Deputy Director of Public Works & Development Services Department

For Contractor:
XXXXX
XXXXX
XXXXX
Attn: XXXXX

Notice shall be deemed received three (3) days after its mailing to the above address or upon actual receipt as indicated by return receipt, whichever is earlier. Personal service shall be deemed received the same day personal delivery is affected.

31. Governing Law

The validity, performance and construction of this Agreement shall be governed by and interpreted in accordance with the laws of the State of California applicable to contracts made to be performed therein. Any litigation commenced by either party to this Agreement shall be venued in Los Angeles County, California.

32. Severability

Should any part of this Agreement be declared by a final decision by a court or tribunal of competent jurisdiction to be unconstitutional, invalid, or beyond the authority of either party to enter into or carry out, such decision shall not affect the validity of the remainder of this Agreement, which shall continue in full force and effect, provided that the remainder of this Agreement, absent the unexercised portion, can be reasonably interpreted to give effect to the intentions of the parties.

33. No Construction of Agreement Against any Party

Each Party has cooperated in the drafting and preparation of this Agreement. Hence, in any construction to be made of this Agreement, it shall not be construed against any Party on the basis such Party drafted this Agreement or any provision thereof.

34. Entire Agreement and Amendments to Agreement

This Agreement contains the entire understanding and agreement between the parties hereto with respect to the subject matter hereof and supersedes all previous communications, negotiations, and agreements, whether oral or written, between the parties with respect to such subject matter, and no addition to or modification of this Agreement or waiver of any provisions of this Agreement shall be binding on either party unless made in writing and executed by Contractor and City.

35. No Representations Except as Expressly Stated in this Agreement

Except as expressly stated in this Agreement, no Party, nor its employees, agents or attorneys have made any statement or representation to any other Party or its employees, agents or attorneys regarding any fact relied upon in entering into this Agreement, and each Party does not rely upon any statement, representation and/or promise of any other Party, its respective employees, agents or attorneys in executing this Agreement.

36. Counterpart Signatures

This Agreement may be executed in one or more counterparts. When this Agreement has been properly signed by an authorized representative of each of the Parties hereto, it shall constitute a valid Agreement, though each of the signatories may have executed separate counterparts hereof.

IN WITNESS WHEREOF, the parties hereto have each executed or caused to be executed this Agreement as of the Effective Date.

CITY OF COMMERCE

DATED:_____ By:_____
Ivan Altamirano
Mayor

("CONTRACTOR")

XXXXXXX

DATED:_____ By:_____
XXXX

ATTEST:

_____
Lena Shumway, City Clerk

APPROVED AS TO FORM

_____
Eduardo Olivo
City Attorney

EXHIBIT A

“Insert Scope of Services Here”

EXHIBIT B

REQUIRED INSURANCE

On or before beginning any of the services called for by any term of this Agreement, Contractor, at its own cost and expense, shall carry, maintain for the duration of this Agreement, and provide proof thereof that is acceptable to City of its procurement of the insurance specified below from insurers and under forms of insurance satisfactory in all respects to City. Such insurance shall not be in derogation of Contractor's obligations to provide indemnity under Section 18 of this Agreement.

1. Comprehensive General Liability And Automobile Liability Insurance Coverage

Contractor shall carry and maintain Comprehensive General Liability and Automobile Liability Insurance which provides the following:

Minimum coverage: Bodily injury limits of $2,000,000 for each person and $2,000,000 for each occurrence; property damage limits of $2,000,000 for each occurrence, $2,000,000 aggregate.

If a Commercial General Liability Insurance form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the work to be performed under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit. Such coverage shall include but shall not be limited to, protection against claims arising from bodily and personal injury, including death resulting therefrom, and damage to property resulting from activities contemplated under this Agreement, including the use of owned and non-owned real property and automobiles. Insurance coverage shall not be subject to any type of pollution exclusion or owned property exclusions.

2. Errors And Omissions Insurance Coverage

Contractor shall carry and maintain Errors and Omissions Coverage Insurance which provides a minimum coverage of at least $2,000,000 for each occurrence, $2,000,000 aggregate, triggered by manifestation of injury.

3. Worker's Compensation

Before execution of the Agreement, Contractor shall file with the City the following signed certification:

> "I am aware of the provisions of Section 3700 Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Service Agreement".

Contractor shall carry and maintain worker's compensation as required by the California Labor Code for all persons employed directly or indirectly in connection with this Agreement by Contractor or any subcontractor.

4. Additional Insureds

The City of Commerce, their officers, agents and employees must be named as additional insureds or as additional loss payees in all insurance policies required by this Agreement. An endorsement to this effect shall be delivered to City prior to the commencement of any work. Satisfaction of any deductible requirement shall be the responsibility of Contractor. Such insurance shall be primary, and noncontributory with any other insurance by the City of Commerce.

5. Cancellation Clause

Each of the policies of insurance shall contain a clause substantially as follows:

> It is hereby understood and agreed that this policy may not be canceled nor the amount of the coverage thereof be reduced until 30 days after receipt by the City Administrator of the City of Commerce of the written notice of such cancellation or reduction of coverage, as evidenced by receipt of a certified letter.

6. Severability Clause

Each of the policies of insurance shall contain a clause substantially as follows:

> The insurance afforded by this policy applies separately to each insured against whom a claim or suit is made or suit is brought, except with respect to the limit of the insurer's liability.

7. Qualifications of Insurer

All policies of insurance shall be issued by an insurance company acceptable to City and authorized to issue said policy in the State of California.

8. Approval of Insurer

The insurance carrier providing the insurance shall be chosen by Contractor subject to approval by City, provided that such approval shall not be unreasonably withheld.

9. Payment of Premiums

All premiums on insurance policies shall be paid by Contractor making payment, when due, directly to the insurance carrier, or in a manner agreed to by City.

10. Evidence of Insurance and Claims

City shall have the right to hold the policies and policy renewals, and Contractor shall promptly furnish to City all renewal notices and all receipts of paid premiums. In the event of loss, Contractor shall give prompt notice to the insurance carrier and City. City may make proof of loss if not made promptly by Contractor.

Appendix E

Regulatory Agency Review Information

https://siteportal.calepa.ca.gov/nsite/map/results

Search...

CalEPA Regulated Site Portal

Intranet Access | Vision | abouttabs | Login | Suggested Sites | Vision 7.3 | Web Slice Gallery

IE 11 is not fully supported. For optimal viewing switch to Edge, Chrome, or Firefox About

CalEPA CalEPA Regulated Site Portal

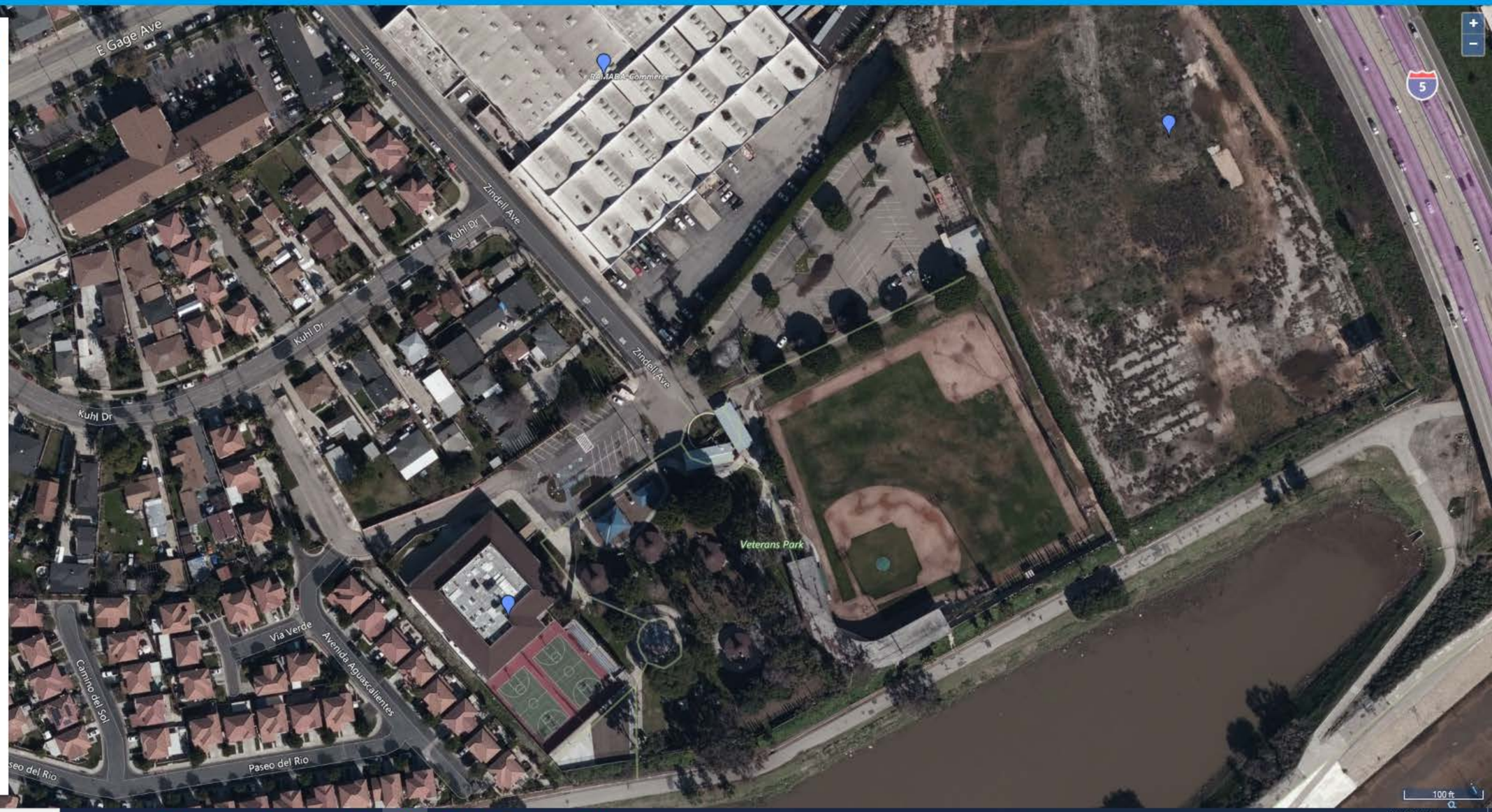
Avenue, Commerce, CA

2 sites found

Did you mean: 6364 Zindell Ave, Commerce, CA 90040

Gage Avenue Disposal Site- Eastern Parcel
7316 E. GAGE AVENUE
COMMERCE CA 90040

GOOD STUFF FOOD CO., INC.
7222 GAGE AVE E
COMMERCE CA 90040



Type here to search

10:36 PM
10/3/2019

DOC DOGGR WellFinder

maps.conservation.ca.gov/doggr/wellfinder/#openModal/-118.12612/33.97267/16

Apps | Read Later | Gmail | Twitter | Atlas for the End of... | The New Yorker : D... | News | Finance | Health | Fitness | Shopping | Travel | Random | Entertainment | Blogs | SCS | Cooking | Geneology | Albert | Introduction to Sus...

Well Finder
DOGGR GIS

More Info | Help | ©

- Well Status and Well Type Filter
- Search
- Zoom to Field
- Measurement

Feet

Measurement Result

1,159.8 Feet

- Layers

6364 Zindell Avenue, Commer

Basemaps

Laguna
Rio Hondo
McCampbell
Best Star Inn
HD Supply
RAMADA-Commerce
Veterans Memorial Park
Park Lawn Memorial Park
Suva Elementary School
Selby Grove Elementary School
E Slauson Ave
Slauson Ave
Gage Ave
E Gage Ave
Watcher St
Lanto St
Agra St
Hannon St
Foster Bridge Blvd
Guatemala Ave
Rivergrove Dr
Coolgrove Dr
Shady Oak Dr
Finevale Dr
Danvers St
Baimsdale St
Allengrove St
Alderdale St
Botany St
Smallwood Ave
Tweedy Ln
Rives Ave
Birchcrest Rd
Brookpark Rd
Lowman Ave
Maxine St
Samoline Ave
Crider Ave
Elmont Ave
Fernadel Ave
La Docena Ln
Terradell St
Bircheat Ave
Union St
Chapin Rd
S Bluff Rd
Paramount Blvd
Industry Ave
Gage Rd
Travis Ave
Wellman St
Todd Ave
Ramon Ct
Neenah St
Nye St
Greenwood Ave
Zindell Ave
Kuhl Dr
Calle las Flores
Paseo del Rio
Bluff Rd
Dos Rios Rd
Triangle Dr
Oxford Way
Pacific Dr
Kress Ave
Emil Ave
Priam Dr
Cassandra Dr
Chalet Dr
Scout Ave
Charner St
Bell Gardens
Downey
Commerce
Pico Rivera
Santa Ana Fwy
Telegraph Rd
126B
126A
5

600ft

1:9,028 33.966135 -118.10914

Powered by WellSTAR

Type here to search

11:04 PM
10/3/2019

https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=6364+Zindell+Avenue%2C+Commerce%2C+CA

EnviroStor Database

Intranet Access | Vision | abouttabs | Login | Suggested Sites | Vision 7.3 | Web Slice Gallery

ENVIROSTOR

6364 Zindell Avenue, Commerce, CA — Map Address

Sites and Facilities

Cleanup Sites
- Federal Superfund
- State Response
- Voluntary Cleanup
- School Cleanup
- Evaluation
- School Investigation
- Military Evaluation
- Tiered Permit
- Corrective Action

STATUS: All Statuses

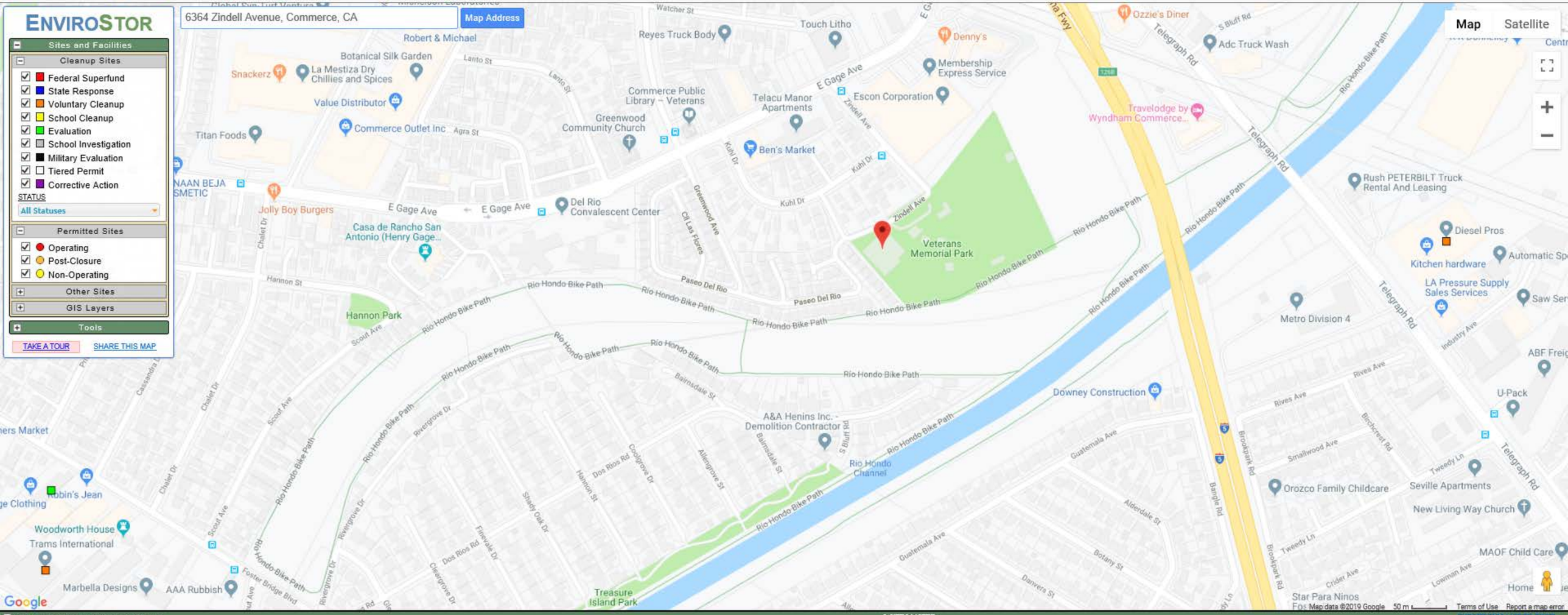
Permitted Sites
- Operating
- Post-Closure
- Non-Operating

Other Sites

GIS Layers

Tools

TAKE A TOUR | SHARE THIS MAP



SITES CURRENTLY VISIBLE ON MAP — 3 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES	ACTIVE	VOLUNTARY CLEANUP	6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD.	BELL GARDENS
PPM III/UHLES PROPERTY	INACTIVE - ACTION REQUIRED	VOLUNTARY CLEANUP	7875 E. TELEGRAPH RD	PICO RIVERA
SIPPLE PROPERTY	REFER: EPA	EVALUATION	6750 FOSTER BRIDGE BOULEVARD	BELL GARDENS

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10/3/2019

Clean LA for Residents
Clean LA for Business
Clean LA for Government
Clean LA is for ALL
Los Angeles County

Reduce, Reuse, Recycle, Rethink
Trash Collection / Illegal Dumping
Household Hazardous Waste / Electronic Waste
Used Motor Oil Recycling
Industrial Waste
Underground Storage Tanks
Solid Waste
Stormwater
Water Conservation
Youth Education

Online File Review

Industrial Waste / Underground Storage Tanks / Stormwater

Back

You searched the following address:

Street Number: 6364 Street Name: Zindell

Our office does not have any records (related to industrial waste/underground storage tanks/stormwater) for the requested site address.

Please double check the spelling of the street name or search a different address. Both street number and street name must be exact and spelled correctly as they appear for the facility on file. Do not include street direction prefix (i.e. N, S, E, W, etc...) or suffix (i.e. ST, AVE, RD, BLVD, etc...) unless they appear in the street name (i.e. AVENUE K, AVENIDA CESAR CHAVEZ, 10TH ST EAST, CROSSROADS PKWY N, etc...). Do not include any extra spaces after the street number or after the street name.

Back

https://pvnpms.phmsa.dot.gov/PublicViewer/

Search...

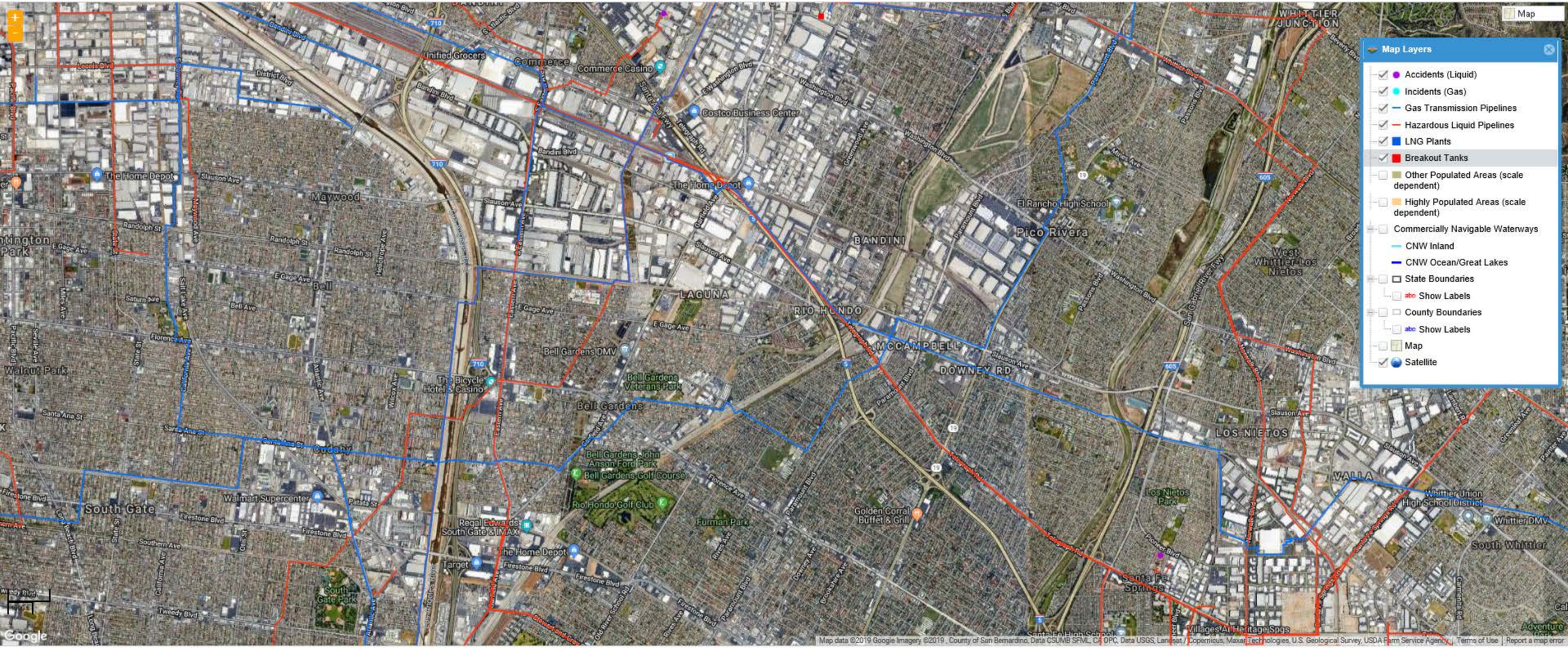
NPMS Public Viewer

Intranet Access | Vision | abouttabs | Login | Suggested Sites | Vision 7.3 | Web Slice Gallery

Public Viewer

Log Out | Change County

Map Layers | Query Tools | Enter search term (min 4 chars) | Help



Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | 33.940929, -118.033225 | COUNTY : Los Angeles, CA

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Type here to search

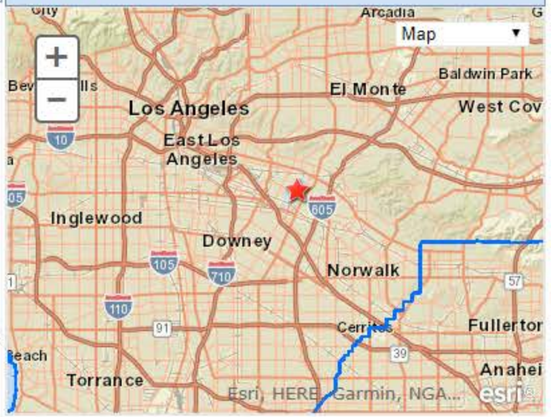
11:07 PM
10/3/2019

Fact Sheet: GAGE AVENUE DUMP

Site

Site ID:	1939
Site Name:	GAGE AVENUE DUMP
Alt. Site Name:	L.A. BY PRODUCTS; SLOTO GOLF; VETERANS PARK
Site Type:	DESIGNATED WASTE LANDFILL
Status:	CLOSED
Visiting Restriction:	N/A
Site Website:	N/A
Site Address:	7316 GAGE AVENUE, COMMERCE, CA 90040
Alt. Site Address:	7326 EAST GAGE AVENUE, COMMERCE, CA; 7272 GAGE AVENUE, COMMERCE, CA; 7840 TELEGRAPH ROAD, COMMERCE, CA
Site Mailing Address:	N/A
Site Contact Phone:	N/A Ext: N/A
Hour of Operation:	N/A
Site Email:	N/A
Waste Accepted:	INERT RESIDENTIAL
Solid Waste Facility Permit:	19-AA-5543
Beginning Operation Date:	AUGUST 1950
End Operation Date:	MARCH 1954
Max. Depth of Fill(Ft):	29
Present Use:	VETERANS MEMORIAL PARK
Permitted Capacity(tpd):	N/A
Remaining Capacity(Millions):	N/A

Address



Origins of Waste

NO DATA AVAILABLE

Public Works
LOS ANGELES COUNTY

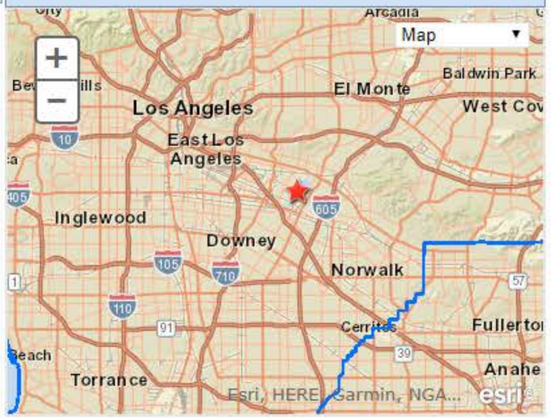
Solid Waste Information Management System

Fact Sheet: SALVAGE CORP

Site

Site ID:	2223
Site Name:	SALVAGE CORP
Alt. Site Name:	DORIS HANEY JOHNES DUMP; FLETCHER DUMP
Site Type:	MUNICIPAL SOLID WASTE LANDFILL
Status:	CLOSED
Visiting Restriction:	N/A
Site Website:	N/A
Site Address:	7100 EAST GAGE AVENUE, BELL GARDENS, CA
Alt. Site Address:	6370 GREENWOOD AVENUE, COMMERCE, CA; 6361 ZINDELL AVENUE, COMMERCE, CA
Site Mailing Address:	N/A
Site Contact Phone:	N/A Ext: N/A
Hour of Operation:	N/A
Site Email:	N/A
Waste Accepted:	HAZARDOUS WASTE INERT
Solid Waste Facility Permit:	19-AA-5339; 19-AA-5551; 19-AA-5552
Beginning Operation Date:	1942
End Operation Date:	1954
Max. Depth of Fill(Ft):	50
Present Use:	RESIDENTIAL
Permitted Capacity(tpd):	N/A
Remaining Capacity(Millions):	N/A
Local Enforcement Agency	N/A

Address



Origins of Waste

NO DATA AVAILABLE

Type here to search
3:36 PM
10/9/2019

Appendix F

EDR Database Report

Veterans Memorial Park
6364 Zindell Avenue
Los Angeles, CA 90040

Inquiry Number: 05781776.2r
September 09, 2019

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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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	545
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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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 (E 1527-13), 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

6364 ZINDELL AVENUE
LOS ANGELES, CA 90040

COORDINATES

Latitude (North):	33.9725670 - 33° 58' 21.24''
Longitude (West):	118.1258280 - 118° 7' 32.98''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	395993.9
UTM Y (Meters):	3759491.0
Elevation:	148 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Southeast Map:	5633777 WHITTIER, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
6364 ZINDELL AVENUE
LOS ANGELES, CA 90040

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CITY OF COMMERCE VET	6364 ZINDELL AVE	HAZNET		TP
A2	ALLEY WAY ABATEMENTS	6364 ZINDELL AVE	HAZNET		TP
A3	CITY OF COMMERCE VET	6364 ZINDELL AVE	RCRA NonGen / NLR		TP
A4	CITY OF COMMERCE VET	6364 ZINDELL AVE	FINDS, ECHO		TP
B5	SLOTKIN PROPERTIES	7316 E GAGE AVE	CPS-SLIC, LOS ANGELES CO. HMS, CERS	Higher	207, 0.039, NE
B6	SLOTKIN PROPERTIES	7316 GAGE AVE	SWF/LF, LUST, SWEEPS UST, ENF, HIST CORTESE,...	Higher	207, 0.039, NE
C7	WATKINS TERMINALS, I	6371 GREENWOOD AVE	SWEEPS UST	Lower	247, 0.047, WSW
D8	JAN-U-WINE FOODS	7272 E GAGE AVE	SWEEPS UST, LOS ANGELES CO. HMS	Higher	254, 0.048, North
D9	GAGE AVENUE DUMP	7326 EAST GAGE AVENU	WMUDS/SWAT	Higher	468, 0.089, NNW
C10	FREIGHT TERMINALS, I	6370 GREENWOOD AVE	LUST	Lower	470, 0.089, WSW
C11	WATKINS MOTOR LINES	6370 S GREENWOOD	SWEEPS UST, HIST UST, CA FID UST	Lower	470, 0.089, WSW
C12	WATKINS MOTOR LINES	6370 GREENWOOD AVE	HIST UST	Lower	470, 0.089, WSW
C13	FREIGHT TERMINALS, I	6370 GREENWOOD	CPS-SLIC, CERS	Lower	470, 0.089, WSW
C14	FREIGHT TERMINALS, I	6370 GREENWOOD	HIST CORTESE	Lower	470, 0.089, WSW
E15	GOOD STUFF FOOD CO.,	7222 GAGE	HIST CORTESE	Higher	510, 0.097, NW
E16	GOOD STUFF FOOD CO.,	7222 GAGE AVE E	LUST, CERS	Higher	510, 0.097, NW
E17	GOOD STUFF FOOD CO I	7222 E GAGE AVE	CERS HAZ WASTE, EMI, LOS ANGELES CO. HMS, CERS	Higher	510, 0.097, NW
E18	LANGENDORF BAKERY	7222 E GAGE AVE	RCRA-SQG, FINDS, ECHO	Higher	510, 0.097, NW
E19	ESCON CORP	7222 E GAGE AVE	RCRA-LQG	Higher	510, 0.097, NW
E20	SO.WEST PUMPING SVC.	7237 EAST GAGE AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	580, 0.110, NNW
E21	GCP APPLIED TECHNOLO	7237 EAST GAGE AVE	RCRA-SQG, SWEEPS UST, HIST UST, TRIS, EMI, LOS...	Higher	580, 0.110, NNW
E22	HOSPITALITY WOOD PRO	7206 E GAGE AVE	CERS HAZ WASTE, HAZNET, CERS	Higher	593, 0.112, NW
E23	HOSPITALITY WOOD PRO	7206 E GAGE AVE	RCRA NonGen / NLR	Higher	593, 0.112, NW
E24	GENUINE PARTS DISTRI	7215 E GAGE AVE	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS	Higher	686, 0.130, NW
E25	SNOW MANUFACTURING	7215 1/2 GAGE AVE	RCRA-LQG	Higher	686, 0.130, NW
F26	MOBIL OIL SS #11-EQL	7724 E TELEGRAPH RD	SWEEPS UST, HIST UST, CA FID UST	Higher	762, 0.144, NNE
F27	A. AHMED	7724 TELEGRAPH RD	HIST UST	Higher	762, 0.144, NNE
F28	MOBIL #18-EQL (FORME	7724 TELEGRAPH	HIST CORTESE	Higher	762, 0.144, NNE
F29	MOBIL #18-EQL (FORME	7724 TELEGRAPH RD E	LUST, CERS	Higher	762, 0.144, NNE
30	STATE OF CA HWY RD M	7840 TELEGRAPH RD.	SWF/LF, LDS, CERS	Higher	800, 0.152, ENE
G31	JOHNSON-PELTIER INC	7654 SLAUSON AVE E	LUST, HIST CORTESE, LOS ANGELES CO. HMS, CERS	Higher	844, 0.160, NNW
32	GAGE AND GREENWOOD	GAGE & GREENWOOD	WMUDS/SWAT	Lower	852, 0.161, West
F33	EPSTEINS MUFFLER & A	7803 TELEGRAPH RD #	CERS HAZ WASTE, HAZNET	Higher	862, 0.163, NNE
F34	CARDLOCK FUELS	7799 TELEGRAPH RD	LUST, Cortese, LOS ANGELES CO. HMS, CERS	Higher	864, 0.164, NNE
F35	A D C TRUCK WASH	7799 TELEGRAPH RD	CERS HAZ WASTE, CERS TANKS, HAZNET, CERS	Higher	864, 0.164, NNE
F36	CARDLOCK FUELS SYSTE	7799 TELEGRAPH RD	RCRA NonGen / NLR	Higher	864, 0.164, NNE
G37	RILLEY GAS & FOOD IN	7667 E SLAUSON AVE	UST	Higher	875, 0.166, North
G38	JOSEPH E AMASH	7667 E SLAUSON AVE	HIST UST	Higher	875, 0.166, North
G39	RILLEY GAS & FOOD IN	7667 E SLAUSON AVE	CERS HAZ WASTE, CERS TANKS, LOS ANGELES CO. HMS,..	Higher	875, 0.166, North

MAPPED SITES SUMMARY

Target Property Address:
6364 ZINDELL AVENUE
LOS ANGELES, CA 90040

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
G40	JOSEPH AMASH ARCO SE	7667 E SLAUSON AVE	HIST UST	Higher	875, 0.166, North
G41	JOSEPH E. AMASH	7667 E SLAUSON AVE	HIST UST	Higher	875, 0.166, North
G42	JOSEPH AMASH ARCO SE	7667 E SLAUSON AVE	SWEEPS UST, HIST UST, CA FID UST, LOS ANGELES CO....	Higher	875, 0.166, North
G43	RILLEY GAS & FOOD, I	7667 E SLAUSON AVE	RCRA NonGen / NLR	Higher	875, 0.166, North
G44	ARCO	7667 SLAUSON AVE E	LUST, HIST CORTESE, CERS	Higher	875, 0.166, North
F45	SUPERIOR MERCHANDISE	7825 TELEGRAPH RD	RCRA NonGen / NLR	Higher	938, 0.178, NNE
F46	SHELL SERVICE STATIO	7825 TELEGRAPH	LUST, RCRA NonGen / NLR, FINDS, ECHO, HAZNET, CERS	Higher	938, 0.178, NNE
F47	ARTS AUTO CARE	782 K TELEGRAPH	SWEEPS UST, HIST UST, LOS ANGELES CO. HMS	Higher	938, 0.178, NNE
F48	SHELL #204-5100-0408	7825 TELEGRAPH	LUST, HIST CORTESE, CERS	Higher	938, 0.178, NNE
F49	SHELL #204-5100-0408	7825 TELEGRAPH RD	LUST	Higher	938, 0.178, NNE
F50	ART'S AUTO CARE	7825 TELEGRAPH RD	CERS HAZ WASTE, CERS TANKS, HAZNET, LOS ANGELES...	Higher	938, 0.178, NNE
F51	ART'S AUTO CARE - VA	7825 TELEGRAPH RD	UST	Higher	938, 0.178, NNE
52	TOMADOUR ENGINE COMP	7171 WATCHER ST.	ENVIROSTOR, LA Co. Site Mitigation	Higher	984, 0.186, NW
53	CARDLOCK FUELS SYSTE	7799 TELEGRAPH RD	LUST, UST, CERS	Higher	1063, 0.201, ENE
54	CHRIS COMLEY	8813 GUATEMALA AVE	RCRA NonGen / NLR	Lower	1065, 0.202, SSW
55	ERIK HUERTA	7727 BOTANY STREET	RCRA NonGen / NLR	Lower	1154, 0.219, SSE
H56	L.A.C.M.T.A.	7878 TELEGRAPH ROAD	RCRA NonGen / NLR	Lower	1179, 0.223, East
H57	DIVISION 4-DOWNEY	7878 TELEGRAPH RD	HIST UST, NPDES, WDS, CIWQS, CERS	Lower	1179, 0.223, East
H58	LA CO MTA	7878 TELEGRAPH RD	UST	Lower	1179, 0.223, East
H59	LA CO MTA	7878 E TELEGRAPH RD	UST	Lower	1179, 0.223, East
H60	DIVISION 4-DOWNEY	7878 TELEGRAPH ROAD	CERS HAZ WASTE, SWEEPS UST, HIST UST, CA FID UST,...	Lower	1179, 0.223, East
H61	1-DAY PAINT & BODY C	7895 TELEGRAPH ROAD	RCRA NonGen / NLR	Higher	1243, 0.235, East
H62	1-DAY PAINT AND BODY	7895 TELEGRAPH RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	1243, 0.235, East
I63	ELDON GRUMBO	8040 E SLAUSON AVE	SWEEPS UST, LOS ANGELES CO. HMS	Higher	1303, 0.247, NE
I64	CLAUDE P. HALL TRUCK	8105 SLAUSON	HIST CORTESE	Higher	1471, 0.279, NE
I65	CLAUDE P. HALL TRUCK	8105 SLAUSON AVE E	LUST, SWEEPS UST, CERS	Higher	1471, 0.279, NE
I66	HEXCEL-MCI DIVISION	8100 E SLAUSON AVE	WMUDS/SWAT, RCRA NonGen / NLR, FINDS, ECHO	Higher	1558, 0.295, NE
J67	DONLEY BATTERY COMPA	7521 SLAUSON AVE E	LUST, CERS	Higher	1708, 0.323, NNW
J68	DONLEY BATTERY COMPA	7521 SLAUSON	HIST CORTESE	Higher	1708, 0.323, NNW
K69	BANK OF AMERICA/LEAS	7875 TELEGRAPH RD	CPS-SLIC, LA Co. Site Mitigation	Lower	1826, 0.346, East
K70	FLAT RATE EQUIPMENT	7875 E TELEGRAPH RD	ENVIROSTOR, CPS-SLIC, VCP, CERS HAZ WASTE, SWEEPS	Lower	1826, 0.346, East
L71	WEST COAST RECYCLING	1736 CHAPIN RD	SWRCY	Higher	1889, 0.358, NE
L72	BELMONT FIBERS	1736 CHAPIN RD	LUST, SWEEPS UST, Cortese, HIST CORTESE, CERS	Higher	1889, 0.358, NE
73	LOS ANGELES MUTUAL D	1701 GAGE RD	SWF/LF, CERS HAZ WASTE, HIST UST, CERS	Higher	1992, 0.377, NNE
L74	CHAPIN ROAD LANDFILL	1749 CHAPIN ROAD	SWF/LF, CERS, LOS ANGELES CO LF METHANE	Higher	2070, 0.392, NE
75	CHAPIN ROAD LANDFILL	ALL PROPERTIES ON CH	ENVIROSTOR	Higher	2179, 0.413, NE
M76	E.P.S D/B/A VALSPA	901 UNION STREET	RCRA-LQG, LUST, CPS-SLIC, RAATS, ICIS, US AIRS,...	Higher	2354, 0.446, North
M77	VALSPAR COATINGS	901 W UNION ST	ENVIROSTOR, SWEEPS UST, EMI, LA Co. Site...	Higher	2354, 0.446, North
78	GEHR INDUSTRIES FACI	7400 SLAUSON	CPS-SLIC, CERS	Higher	2358, 0.447, NW

MAPPED SITES SUMMARY

Target Property Address:
6364 ZINDELL AVENUE
LOS ANGELES, CA 90040

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	HI-TOP STEEL	8200 SLAUSON AVE E	LUST, HIST CORTESE, CERS	Higher	2390, 0.453, ENE
80	SUNSHINE PLASTICS CO	1600 GAGE RD	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, EMI, HIST...	Higher	2855, 0.541, NNE
81	THORLEY DOUG HEADERS	7403 TELEGRAPH RD	ENVIROSTOR, FINDS, ECHO	Higher	3068, 0.581, NNW
82	MARTIN SPROKET & GEA	5920 S TRIANGLE DR	ENVIROSTOR, LA Co. Site Mitigation	Higher	3224, 0.611, WNW
83	X-RAY PRODUCTS CORP.	7829 INDUSTRY AVENUE	ENVIROSTOR	Higher	3240, 0.614, ENE
N84	ENTERPRISE PRODUCTS,	6875 SUVA ST	ENVIROSTOR, SWEEPS UST, HIST UST	Lower	3782, 0.716, WSW
85	SIPPLE PROPERTY	6750 FOSTER BRIDGE B	ENVIROSTOR	Lower	3836, 0.727, WSW
N86	FLEXCO, INC	6855 SUVA ST	ENVIROSTOR, EMI	Lower	3906, 0.740, WSW
N87	ENTERPRISE POWDER CO	6840 SUVA STREET	ENVIROSTOR	Lower	3970, 0.752, WSW
88	6801 SUVA STREET AND	6801 SUVA STREET AND	ENVIROSTOR, VCP, DEED, HAZNET	Lower	4172, 0.790, WSW
89	DOWNEY VENDORS, INC	6814 SUVA STREET	ENVIROSTOR, VCP	Lower	4351, 0.824, WSW
90	SUVA SCHOOLS	6740 SUVA ST	RESPONSE, ENVIROSTOR, CERS	Lower	4462, 0.845, WSW
91	EMPIRE RECYCLING CEN	7214 SCOUT AVENUE	ENVIROSTOR	Lower	4521, 0.856, SW
92	GRIFFITHS MIDDLE SCH	9633 TWEEDY LANE	ENVIROSTOR, SCH, CERS	Lower	4604, 0.872, South
O93	J&S CHROME PLATING	683 FLORENCE PLACE	SEMS, HIST Cal-Sites, SWEEPS UST, HIST UST, LOS...	Lower	4629, 0.877, WSW
O94	J&S CHROME PLATING	6863 FLORENCE PL	RESPONSE, ENVIROSTOR, LIENS, DEED, Cortese, CERS	Lower	4629, 0.877, WSW
O95	CHROME CRANKSHAFT, C	6845 FLORENCE PL	HIST Cal-Sites	Lower	4817, 0.912, WSW
O96	CHROME CRANKSHAFT CO	6845 E. FLORENCE PL.	SEMS, RCRA-LQG, RESPONSE, ENVIROSTOR, LUST,...	Lower	4817, 0.912, WSW
97	CAMEO	6904 EAST SLAUSON AV	RESPONSE, ENVIROSTOR, Cortese	Higher	4942, 0.936, WNW
P98	SOUTHERN CALIFORNIA	8101 S. ROSEMEAD BLV	SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG, US FIN ASSUR...	Higher	4953, 0.938, ESE
P99	SOUTHERN CALIFORNIA	8101 S ROSEMEAD BLVD	ICE, HWP, CERS	Higher	4953, 0.938, ESE
P100	SOUTHERN CALIFORNIA	8101 S ROSEMEAD BLVD	ENVIROSTOR	Higher	4953, 0.938, ESE
P101	SOUTHERN CA GAS CO	8101 ROSEMEAD BLVD S	ENVIROSTOR, LUST, HIST CORTESE, NPDES, CIWQS, CERS	Higher	4953, 0.938, ESE
P102	SO CAL GAS/PICO RIVE	8101 SOUTH ROSEMEAD	EDR MGP	Higher	4953, 0.938, ESE

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
CITY OF COMMERCE VET 6364 ZINDELL AVE COMMERCE, CA 90040	HAZNET GEPAID: CAL000331671	N/A
ALLEY WAY ABATEMENTS 6364 ZINDELL AVE COMMERCE, CA 90040	HAZNET GEPAID: CAC002649699	N/A
CITY OF COMMERCE VET 6364 ZINDELL AVE COMMERCE, CA 90040	RCRA NonGen / NLR EPA ID:: CAL000331671	CAL000331671
CITY OF COMMERCE VET 6364 ZINDELL AVE COMMERCE, CA 90040	FINDS Registry ID:: 110070472012 ECHO Registry ID: 110070472012	N/A

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

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

SEMS Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls

Federal ERNS list

ERNS Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST Underground Storage Tank Listing
AST Aboveground Petroleum Storage Tank Facilities
INDIAN UST Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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
AOCONCERN - Key Areas of Concerns in Los Angeles County
SCH - School Property Evaluation Program
CDL - Clandestine Drug Labs
Toxic Pits - Toxic Pits Cleanup Act Sites
US CDL - National Clandestine Laboratory Register
PFAS - PFAS Contamination Site Location Listing

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
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
ICE ---- ICE
LOS ANGELES CO. HMS ---- HMS: Street Number List
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits 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
CIWQS ---- California Integrated Water Quality System
CERS ---- CERS
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)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto ---- EDR Exclusive Historical Auto Stations
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

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA EPA ID:: CAT000625137	***8101 S. ROSEMEAD BLV***	***ESE 1/2 - 1 (0.938 mi.)***	***P98***	***487***

Federal RCRA generators list

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 03/25/2019 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ESCON CORP EPA ID:: CAL000256521	7222 E GAGE AVE	NW 0 - 1/8 (0.097 mi.)	E19	57
SNOW MANUFACTURING EPA ID:: CAD009696212	7215 1/2 GAGE AVE	NW 1/8 - 1/4 (0.130 mi.)	E25	94

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 03/25/2019 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LANGENDORF BAKERY	***7222 E GAGE AVE***	***NW 0 - 1/8 (0.097 mi.)***	***E18***	***56***
EPA ID:: CAD981450869				
GCP APPLIED TECHNOLO	***7237 EAST GAGE AVE***	***NNW 0 - 1/8 (0.110 mi.)***	***E21***	***61***
EPA ID:: CAD982005183				

State- and tribal - equivalent NPL

RESPONSE: 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.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 4 RESPONSE sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAMEO	***6904 EAST SLAUSON AV***	***WNW 1/2 - 1 (0.936 mi.)***	***97***	***456***
Database: RESPONSE, Date of Government Version: 04/29/2019				
Status: Active				
Facility Id: 19390043				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUVA SCHOOLS	***6740 SUVA ST***	***WSW 1/2 - 1 (0.845 mi.)***	***90***	***367***
Database: RESPONSE, Date of Government Version: 04/29/2019				
Status: No Further Action				
Facility Id: 19820014				
J&S CHROME PLATING	***6863 FLORENCE PL***	***WSW 1/2 - 1 (0.877 mi.)***	***O94***	***389***
Database: RESPONSE, Date of Government Version: 04/29/2019				
Status: Active				
Facility Id: 19340358				
CHROME CRANKSHAFT CO	***6845 E. FLORENCE PL.***	***WSW 1/2 - 1 (0.912 mi.)***	***O96***	***425***
Database: RESPONSE, Date of Government Version: 04/29/2019				
Status: Active				
Facility Id: 19350473				

State- and tribal - equivalent CERCLIS

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 04/29/2019 has revealed that there are 22 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOMADOUR ENGINE COMP Facility Id: 19350474 Status: Refer: 1248 Local Agency	***7171 WATCHER ST.***	***NW 1/8 - 1/4 (0.186 mi.)***	***52***	***207***
CHAPIN ROAD LANDFILL Facility Id: 60001171 Status: Inactive - Action Required	ALL PROPERTIES ON CH	NE 1/4 - 1/2 (0.413 mi.)	75	274
VALSPAR COATINGS Facility Id: 71002195 Status: Refer: Other Agency	***901 W UNION ST***	***N 1/4 - 1/2 (0.446 mi.)***	***M77***	***309***
SUNSHINE PLASTICS CO Facility Id: 19330373 Status: No Further Action	***1600 GAGE RD***	***NNE 1/2 - 1 (0.541 mi.)***	***80***	***326***
THORLEY DOUG HEADERS Facility Id: 19500243 Status: Refer: Other Agency	***7403 TELEGRAPH RD***	***NNW 1/2 - 1 (0.581 mi.)***	***81***	***341***
MARTIN SPROKET & GEA Facility Id: 19350475 Status: Refer: 1248 Local Agency	***5920 S TRIANGLE DR***	***WNW 1/2 - 1 (0.611 mi.)***	***82***	***343***
X-RAY PRODUCTS CORP. Facility Id: 71002740 Status: No Action Required	7829 INDUSTRY AVENUE	ENE 1/2 - 1 (0.614 mi.)	83	344
CAMEO Facility Id: 19390043 Status: Active	***6904 EAST SLAUSON AV***	***WNW 1/2 - 1 (0.936 mi.)***	***97***	***456***
SOUTHERN CALIFORNIA Facility Id: 80001809 Status: No Action Required	8101 S ROSEMEAD BLVD	ESE 1/2 - 1 (0.938 mi.)	P100	531
SOUTHERN CA GAS CO Facility Id: 19490119 Status: Refer: RCRA	***8101 ROSEMEAD BLVD S***	***ESE 1/2 - 1 (0.938 mi.)***	***P101***	***533***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FLAT RATE EQUIPMENT Facility Id: 19390046 Status: Inactive - Action Required	***7875 E TELEGRAPH RD***	***E 1/4 - 1/2 (0.346 mi.)***	***K70***	***251***
ENTERPRISE PRODUCTS, Facility Id: 60001726	***6875 SUVA ST***	***WSW 1/2 - 1 (0.716 mi.)***	***N84***	***345***

Status: No Further Action				
SIPPLE PROPERTY Facility Id: 60001674 Status: Refer: EPA	6750 FOSTER BRIDGE B	WSW 1/2 - 1 (0.727 mi.)	85	347
FLEXCO, INC Facility Id: 60001696 Status: Refer: EPA	***6855 SUVA ST***	***WSW 1/2 - 1 (0.740 mi.)***	***N86***	***348***
ENTERPRISE POWDER CO Facility Id: 60001723 Status: No Further Action	6840 SUVA STREET	WSW 1/2 - 1 (0.752 mi.)	N87	350
6801 SUVA STREET AND Facility Id: 60001333 Status: Active	***6801 SUVA STREET AND***	***WSW 1/2 - 1 (0.790 mi.)***	***88***	***351***
DOWNEY VENDORS, INC Facility Id: 19420035 Status: No Further Action	***6814 SUVA STREET***	***WSW 1/2 - 1 (0.824 mi.)***	***89***	***364***
SUVA SCHOOLS Facility Id: 19820014 Status: No Further Action	***6740 SUVA ST***	***WSW 1/2 - 1 (0.845 mi.)***	***90***	***367***
EMPIRE RECYCLING CEN Facility Id: 60001724 Status: No Further Action	7214 SCOUT AVENUE	SW 1/2 - 1 (0.856 mi.)	91	370
GRIFFITHS MIDDLE SCH Facility Id: 19820108 Status: Inactive - Withdrawn	***9633 TWEEDY LANE***	***S 1/2 - 1 (0.872 mi.)***	***92***	***371***
J&S CHROME PLATING Facility Id: 19340358 Status: Active	***6863 FLORENCE PL***	***WSW 1/2 - 1 (0.877 mi.)***	***O94***	***389***
CHROME CRANKSHAFT CO Facility Id: 19350473 Status: Active	***6845 E. FLORENCE PL.***	***WSW 1/2 - 1 (0.912 mi.)***	***O96***	***425***

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 4 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLOTKIN PROPERTIES	***7316 GAGE AVE***	***NE 0 - 1/8 (0.039 mi.)***	***B6***	***14***
Database: SWF/LF (SWIS), Date of Government Version: 05/13/2019 Database: LOS ANGELES CO. LF, Date of Government Version: 04/15/2019 Facility ID: 19-AA-5543 Site ID: 1939 Status: Closed				

Operational Status: Closed
Regulation Status: Unpermitted

STATE OF CA HWY RD M ***7840 TELEGRAPH RD.*** ***ENE 1/8 - 1/4 (0.152 mi.)*** ***30*** ***114***
Database: SWF/LF (SWIS), Date of Government Version: 05/13/2019
Facility ID: 19-AA-5556
Operational Status: Closed
Regulation Status: Unpermitted

LOS ANGELES MUTUAL D ***1701 GAGE RD*** ***NNE 1/4 - 1/2 (0.377 mi.)*** ***73*** ***267***
Database: LOS ANGELES CO. LF, Date of Government Version: 04/15/2019
Site ID: 244
Status: Active

CHAPIN ROAD LANDFILL ***1749 CHAPIN ROAD*** ***NE 1/4 - 1/2 (0.392 mi.)*** ***L74*** ***271***
Database: SWF/LF (SWIS), Date of Government Version: 05/13/2019
Database: LOS ANGELES CO. LF, Date of Government Version: 04/15/2019
Facility ID: 19-AA-5072
Site ID: 1898
Status: Closed
Operational Status: Closed
Regulation Status: Pre-regulations

State and tribal leaking storage tank lists

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 16 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLOTKIN PROPERTIES	***7316 GAGE AVE***	***NE 0 - 1/8 (0.039 mi.)***	***B6***	***14***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: I-14895 Status: Case Closed Global Id: T0603704219 Global ID: T0603704219				
GOOD STUFF FOOD CO.,	***7222 GAGE AVE E***	***NW 0 - 1/8 (0.097 mi.)***	***E16***	***39***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed Facility Id: R-24935 Status: Case Closed Global Id: T0603705475 Global ID: T0603705475				
MOBIL #18-EQL (FORME	***7724 TELEGRAPH RD E***	***NNE 1/8 - 1/4 (0.144 mi.)***	***F29***	***103***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/10/2019 Status: Completed - Case Closed				

Facility Id: 900400116
Status: Remedial action (cleanup) Underway
Global Id: T0603700984
Global ID: T0603700984

JOHNSON-PELTIER INC ***7654 SLAUSON AVE E*** ***NNW 1/8 - 1/4 (0.160 mi.)*** ***G31*** ***116***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: I-14933
Status: Case Closed
Global Id: T0603704225
Global ID: T0603704225

CARDLOCK FUELS ***7799 TELEGRAPH RD*** ***NNE 1/8 - 1/4 (0.164 mi.)*** ***F34*** ***127***
Database: LUST, Date of Government Version: 06/10/2019
Status: Open - Active
Global Id: T10000012355

ARCO ***7667 SLAUSON AVE E*** ***N 1/8 - 1/4 (0.166 mi.)*** ***G44*** ***165***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: R-04755
Status: Preliminary site assessment underway
Global Id: T0603704652
Global ID: T0603704652

SHELL SERVICE STATIO ***7825 TELEGRAPH*** ***NNE 1/8 - 1/4 (0.178 mi.)*** ***F46*** ***172***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-09491A
Status: Leak being confirmed
Global ID: T0603748010

SHELL #204-5100-0408 ***7825 TELEGRAPH*** ***NNE 1/8 - 1/4 (0.178 mi.)*** ***F48*** ***179***
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Global Id: T0603703431
Global Id: T0603748010
Global Id: T0603735274

SHELL #204-5100-0408 7825 TELEGRAPH RD NNE 1/8 - 1/4 (0.178 mi.) F49 187
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-09491
Status: Case Closed
Global ID: T0603703431

CARDLOCK FUELS SYSTE ***7799 TELEGRAPH RD*** ***ENE 1/8 - 1/4 (0.201 mi.)*** ***53*** ***209***
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Global Id: T0603780471

CLAUDE P. HALL TRUCK ***8105 SLAUSON AVE E*** ***NE 1/4 - 1/2 (0.279 mi.)*** ***I65*** ***242***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: R-09720
Status: Leak being confirmed
Global Id: T0603704852
Global ID: T0603704852

DONLEY BATTERY COMPA ***7521 SLAUSON AVE E*** ***NNW 1/4 - 1/2 (0.323 mi.)*** ***J67*** ***248***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019

Status: Completed - Case Closed
Facility Id: I-12189
Status: Case Closed
Global Id: T0603703936
Global ID: T0603703936

BELMONT FIBERS ***1736 CHAPIN RD*** ***NE 1/4 - 1/2 (0.358 mi.)*** ***L72*** ***262***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Open - Site Assessment
Facility Id: I-13835
Status: Preliminary site assessment underway
Global Id: T0603704108
Global ID: T0603704108

E.P.S D/B/A VALSPA ***901 UNION STREET*** ***N 1/4 - 1/2 (0.446 mi.)*** ***M76*** ***276***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: 906400034
Status: Case Closed
Global Id: T0603701543
Global ID: T0603701543

HI-TOP STEEL ***8200 SLAUSON AVE E*** ***ENE 1/4 - 1/2 (0.453 mi.)*** ***79*** ***323***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/10/2019
Status: Completed - Case Closed
Facility Id: I-09258
Status: Case Closed
Global Id: T0603703364
Global ID: T0603703364

Lower Elevation	Address	Direction / Distance	Map ID	Page
FREIGHT TERMINALS, I	6370 GREENWOOD AVE	WSW 0 - 1/8 (0.089 mi.)	C10	32

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: I-03900
Status: Case Closed
Global ID: T0603702951

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 are 6 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLOTKIN PROPERTIES	***7316 E GAGE AVE***	***NE 0 - 1/8 (0.039 mi.)***	***B5***	***13***

Database: CPS-SLIC, Date of Government Version: 06/10/2019
Facility Status: Open - Assessment & Interim Remedial Action
Global Id: T10000005526

E.P.S D/B/A VALSPA ***901 UNION STREET*** ***N 1/4 - 1/2 (0.446 mi.)*** ***M76*** ***276***
Database: CPS-SLIC, Date of Government Version: 06/10/2019

Facility Status: Open - Remediation
Global Id: T10000003191

GEHR INDUSTRIES FACI ***7400 SLAUSON*** ***NW 1/4 - 1/2 (0.447 mi.)*** ***78*** ***322***
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: CPS-SLIC, Date of Government Version: 06/10/2019
Facility Status: Open - Remediation
Facility Status: Site Assessment
Global Id: SL0603799992

Lower Elevation	Address	Direction / Distance	Map ID	Page

FREIGHT TERMINALS, I ***6370 GREENWOOD*** ***WSW 0 - 1/8 (0.089 mi.)*** ***C13*** ***37***
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Database: CPS-SLIC, Date of Government Version: 06/10/2019
Facility Status: Completed - Case Closed
Facility Status: No further action required
Global Id: SL184051388

BANK OF AMERICA/LEAS ***7875 TELEGRAPH RD*** ***E 1/4 - 1/2 (0.346 mi.)*** ***K69*** ***251***
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: No further action required

FLAT RATE EQUIPMENT ***7875 E TELEGRAPH RD*** ***E 1/4 - 1/2 (0.346 mi.)*** ***K70*** ***251***
Database: CPS-SLIC, Date of Government Version: 06/10/2019
Facility Status: Completed - Case Closed
Global Id: SLT43626624

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RILLEY GAS & FOOD IN	7667 E SLAUSON AVE	N 1/8 - 1/4 (0.166 mi.)	G37	145
Database: UST, Date of Government Version: 06/10/2019 Facility Id: LACoFA0025104 Facility Id: 4755				
ART'S AUTO CARE - VA	7825 TELEGRAPH RD	NNE 1/8 - 1/4 (0.178 mi.)	F51	207
Database: UST, Date of Government Version: 06/10/2019 Facility Id: 26309 Facility Id: LACoFA0026145				
CARDLOCK FUELS SYSTE	***7799 TELEGRAPH RD***	***ENE 1/8 - 1/4 (0.201 mi.)***	***53***	***209***
Database: UST, Date of Government Version: 06/10/2019 Facility Id: 26625 Facility Id: LACoFA0026107				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA CO MTA	7878 TELEGRAPH RD	E 1/8 - 1/4 (0.223 mi.)	H58	225
Database: UST, Date of Government Version: 06/10/2019				

Facility Id: 10111

LA CO MTA	7878 E TELEGRAPH RD	E 1/8 - 1/4 (0.223 mi.)	H59	225

Database: UST, Date of Government Version: 06/10/2019
Facility Id: LACoFA0026060

State and tribal voluntary cleanup sites

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 04/29/2019 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FLAT RATE EQUIPMENT	***7875 E TELEGRAPH RD***	***E 1/4 - 1/2 (0.346 mi.)***	***K70***	***251***

Status: Inactive - Action Required
Facility Id: 19390046

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 3 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GAGE AVENUE DUMP	7326 EAST GAGE AVENU	NNW 0 - 1/8 (0.089 mi.)	D9	31
HEXCEL-MCI DIVISION	***8100 E SLAUSON AVE***	***NE 1/4 - 1/2 (0.295 mi.)***	***I66***	***245***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GAGE AND GREENWOOD	GAGE & GREENWOOD	W 1/8 - 1/4 (0.161 mi.)	32	121

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/11/2019 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WEST COAST RECYCLING	1736 CHAPIN RD	NE 1/4 - 1/2 (0.358 mi.)	L71	262

Cert Id: RC254919.001

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 2 HIST Cal-Sites sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
J&S CHROME PLATING	***683 FLORENCE PLACE***	***WSW 1/2 - 1 (0.877 mi.)***	***O93***	***376***
CHROME CRANKSHAFT, C	6845 FLORENCE PL	WSW 1/2 - 1 (0.912 mi.)	O95	416

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 08/14/2019 has revealed that there are 8 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOOD STUFF FOOD CO I	***7222 E GAGE AVE***	***NW 0 - 1/8 (0.097 mi.)***	***E17***	***41***
HOSPITALITY WOOD PRO	***7206 E GAGE AVE***	***NW 0 - 1/8 (0.112 mi.)***	***E22***	***79***
GENUINE PARTS DISTRI	***7215 E GAGE AVE***	***NW 1/8 - 1/4 (0.130 mi.)***	***E24***	***88***
EPSTEINS MUFFLER & A	***7803 TELEGRAPH RD #***	***NNE 1/8 - 1/4 (0.163 mi.)***	***F33***	***122***
A D C TRUCK WASH	***7799 TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.164 mi.)***	***F35***	***130***
RILLEY GAS & FOOD IN	***7667 E SLAUSON AVE***	***N 1/8 - 1/4 (0.166 mi.)***	***G39***	***147***
ART'S AUTO CARE	***7825 TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.178 mi.)***	***F50***	***188***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DIVISION 4-DOWNEY	***7878 TELEGRAPH ROAD***	***E 1/8 - 1/4 (0.223 mi.)***	***H60***	***225***

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 10 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLOTKIN PROPERTIES	***7316 GAGE AVE***	***NE 0 - 1/8 (0.039 mi.)***	***B6***	***14***
Status: A				
Comp Number: 14895				
JAN-U-WINE FOODS	***7272 E GAGE AVE***	***N 0 - 1/8 (0.048 mi.)***	***D8***	***30***
Status: A				
Comp Number: 1060				
GCP APPLIED TECHNOLO	***7237 EAST GAGE AVE***	***NNW 0 - 1/8 (0.110 mi.)***	***E21***	***61***

Status: A
Comp Number: 177

MOBIL OIL SS #11-EQL	***7724 E TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.144 mi.)***	***F26***	***97***
Status: A Tank Status: A Comp Number: 94				
JOSEPH AMASH ARCO SE	***7667 E SLAUSON AVE***	***N 1/8 - 1/4 (0.166 mi.)***	***G42***	***162***
Status: A Tank Status: A Comp Number: 4755				
ARTS AUTO CARE	***782 K TELEGRAPH***	***NNE 1/8 - 1/4 (0.178 mi.)***	***F47***	***177***
Status: A Tank Status: A Comp Number: 9491				
ELDON GRUMBO	***8040 E SLAUSON AVE***	***NE 1/8 - 1/4 (0.247 mi.)***	***I63***	***241***
Status: A Comp Number: 14778				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WATKINS TERMINALS, I	6371 GREENWOOD AVE	WSW 0 - 1/8 (0.047 mi.)	C7	29
Status: A Comp Number: 13484				
WATKINS MOTOR LINES	***6370 S GREENWOOD***	***WSW 0 - 1/8 (0.089 mi.)***	***C11***	***33***
Status: A Comp Number: 3900				
DIVISION 4-DOWNEY	***7878 TELEGRAPH ROAD***	***E 1/8 - 1/4 (0.223 mi.)***	***H60***	***225***
Status: A Tank Status: A Comp Number: 10111				

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 12 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
GCP APPLIED TECHNOLO	***7237 EAST GAGE AVE***	***NNW 0 - 1/8 (0.110 mi.)***	***E21***	***61***
Facility Id: 00000061359				
MOBIL OIL SS #11-EQL	***7724 E TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.144 mi.)***	***F26***	***97***
A. AHMED	7724 TELEGRAPH RD	NNE 1/8 - 1/4 (0.144 mi.)	F27	102
Facility Id: 00000040018				
JOSEPH E AMASH	7667 E SLAUSON AVE	N 1/8 - 1/4 (0.166 mi.)	G38	145
Facility Id: 00000026601				
JOSEPH AMASH ARCO SE	7667 E SLAUSON AVE	N 1/8 - 1/4 (0.166 mi.)	G40	160
Facility Id: 00000034182				
JOSEPH E. AMASH	7667 E SLAUSON AVE	N 1/8 - 1/4 (0.166 mi.)	G41	161
Facility Id: 00000067565				
JOSEPH AMASH ARCO SE	***7667 E SLAUSON AVE***	***N 1/8 - 1/4 (0.166 mi.)***	***G42***	***162***
ARTS AUTO CARE	***782 K TELEGRAPH***	***NNE 1/8 - 1/4 (0.178 mi.)***	***F47***	***177***

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WATKINS MOTOR LINES	***6370 S GREENWOOD***	***WSW 0 - 1/8 (0.089 mi.)***	***C11***	***33***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WATKINS MOTOR LINES Facility Id: 00000055659	6370 GREENWOOD AVE	WSW 0 - 1/8 (0.089 mi.)	C12	34
DIVISION 4-DOWNEY Facility Id: 00000033818	***7878 TELEGRAPH RD***	***E 1/8 - 1/4 (0.223 mi.)***	***H57***	***216***
DIVISION 4-DOWNEY	***7878 TELEGRAPH ROAD***	***E 1/8 - 1/4 (0.223 mi.)***	***H60***	***225***

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.

A review of the CERS TANKS list, as provided by EDR, and dated 08/14/2019 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A D C TRUCK WASH	***7799 TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.164 mi.)***	***F35***	***130***
RILLEY GAS & FOOD IN	***7667 E SLAUSON AVE***	***N 1/8 - 1/4 (0.166 mi.)***	***G39***	***147***
ART'S AUTO CARE	***7825 TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.178 mi.)***	***F50***	***188***

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
MOBIL OIL SS #11-EQL Facility Id: 19005668 Status: A	***7724 E TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.144 mi.)***	***F26***	***97***
JOSEPH AMASH ARCO SE Facility Id: 19016297 Status: A	***7667 E SLAUSON AVE***	***N 1/8 - 1/4 (0.166 mi.)***	***G42***	***162***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WATKINS MOTOR LINES Facility Id: 19001714 Status: A	***6370 S GREENWOOD***	***WSW 0 - 1/8 (0.089 mi.)***	***C11***	***33***
DIVISION 4-DOWNEY Facility Id: 19019197 Status: A	***7878 TELEGRAPH ROAD***	***E 1/8 - 1/4 (0.223 mi.)***	***H60***	***225***

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 03/25/2019 has revealed that there are 11 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO.WEST PUMPING SVC. EPA ID:: CAD000456301	***7237 EAST GAGE AVE***	***NNW 0 - 1/8 (0.110 mi.)***	***E20***	***60***
HOSPITALITY WOOD PRO EPA ID:: CAL000297685	7206 E GAGE AVE	NW 0 - 1/8 (0.112 mi.)	E23	87
CARDLOCK FUELS SYSTE EPA ID:: CAL000081180	7799 TELEGRAPH RD	NNE 1/8 - 1/4 (0.164 mi.)	F36	144
RILLEY GAS & FOOD, I EPA ID:: CAL000226313	7667 E SLAUSON AVE	N 1/8 - 1/4 (0.166 mi.)	G43	164
SUPERIOR MERCHANDISE EPA ID:: CAC002983322	7825 TELEGRAPH RD	NNE 1/8 - 1/4 (0.178 mi.)	F45	171
SHELL SERVICE STATIO EPA ID:: CAR000125880	***7825 TELEGRAPH***	***NNE 1/8 - 1/4 (0.178 mi.)***	***F46***	***172***
1-DAY PAINT & BODY C EPA ID:: CAD981413438	7895 TELEGRAPH ROAD	E 1/8 - 1/4 (0.235 mi.)	H61	238
1-DAY PAINT AND BODY EPA ID:: CAD981399264	***7895 TELEGRAPH RD***	***E 1/8 - 1/4 (0.235 mi.)***	***H62***	***239***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHRIS COMLEY EPA ID:: CAC002969836	8813 GUATEMALA AVE	SSW 1/8 - 1/4 (0.202 mi.)	54	211
ERIK HUERTA EPA ID:: CAC002967999	7727 BOTANY STREET	SSE 1/8 - 1/4 (0.219 mi.)	55	213
L.A.C.M.T.A. EPA ID:: CAD980813869	7878 TELEGRAPH ROAD	E 1/8 - 1/4 (0.223 mi.)	H56	214

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 06/24/2019 has revealed that there are 2 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARDLOCK FUELS Cleanup Status: OPEN - ACTIVE	***7799 TELEGRAPH RD***	***NNE 1/8 - 1/4 (0.164 mi.)***	***F34***	***127***
BELMONT FIBERS Cleanup Status: OPEN - SITE ASSESSMENT	***1736 CHAPIN RD***	***NE 1/4 - 1/2 (0.358 mi.)***	***L72***	***262***

EXECUTIVE SUMMARY

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 12 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLOTKIN PROPERTIES Reg Id: I-14895	***7316 GAGE AVE***	***NE 0 - 1/8 (0.039 mi.)***	***B6***	***14***
GOOD STUFF FOOD CO., Reg Id: R-24935	7222 GAGE	NW 0 - 1/8 (0.097 mi.)	E15	38
MOBIL #18-EQL (FORME Reg Id: 900400116	7724 TELEGRAPH	NNE 1/8 - 1/4 (0.144 mi.)	F28	103
JOHNSON-PELTIER INC Reg Id: I-14933	***7654 SLAUSON AVE E***	***NNW 1/8 - 1/4 (0.160 mi.)***	***G31***	***116***
ARCO Reg Id: R-04755	***7667 SLAUSON AVE E***	***N 1/8 - 1/4 (0.166 mi.)***	***G44***	***165***
SHELL #204-5100-0408 Reg Id: I-09491	***7825 TELEGRAPH***	***NNE 1/8 - 1/4 (0.178 mi.)***	***F48***	***179***
CLAUDE P. HALL TRUCK Reg Id: R-09720	8105 SLAUSON	NE 1/4 - 1/2 (0.279 mi.)	I64	242
DONLEY BATTERY COMPA Reg Id: I-12189	7521 SLAUSON	NNW 1/4 - 1/2 (0.323 mi.)	J68	250
BELMONT FIBERS Reg Id: I-13835	***1736 CHAPIN RD***	***NE 1/4 - 1/2 (0.358 mi.)***	***L72***	***262***
E.P.S D/B/A VALSPA Reg Id: 906400034	***901 UNION STREET***	***N 1/4 - 1/2 (0.446 mi.)***	***M76***	***276***
HI-TOP STEEL Reg Id: I-09258	***8200 SLAUSON AVE E***	***ENE 1/4 - 1/2 (0.453 mi.)***	***79***	***323***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FREIGHT TERMINALS, I Reg Id: I-03900	6370 GREENWOOD	WSW 0 - 1/8 (0.089 mi.)	C14	38

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 05/20/2019 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA EPA Id: CAT000625137 Cleanup Status: OPERATING PERMIT	***8101 S ROSEMEAD BLVD***	***ESE 1/2 - 1 (0.938 mi.)***	***P99***	***521***

EXECUTIVE SUMMARY

LOS ANGELES CO LF METHANE: 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

A review of the LOS ANGELES CO LF METHANE list, as provided by EDR, and dated 04/30/2012 has revealed that there are 2 LOS ANGELES CO LF METHANE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLOTKIN PROPERTIES	***7316 GAGE AVE***	***NE 0 - 1/8 (0.039 mi.)***	***B6***	***14***
CHAPIN ROAD LANDFILL	***1749 CHAPIN ROAD***	***NE 1/4 - 1/2 (0.392 mi.)***	***L74***	***271***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: 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.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/PICO RIVE	8101 SOUTH ROSEMEAD	ESE 1/2 - 1 (0.938 mi.)	P102	544

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
SALVAGE CORP	SWF/LF
LA BY-PRODUCTS - SLAUSON AVENUE PI	SWF/LF, LOS ANGELES CO LF METHANE
MARTIN BLAIR ROCK QUARRY	SWF/LF
STATE OF CA HIGHWAY ROAD MAINTENAN	SWF/LF, LOS ANGELES CO LF METHANE

OVERVIEW MAP - 05781776.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

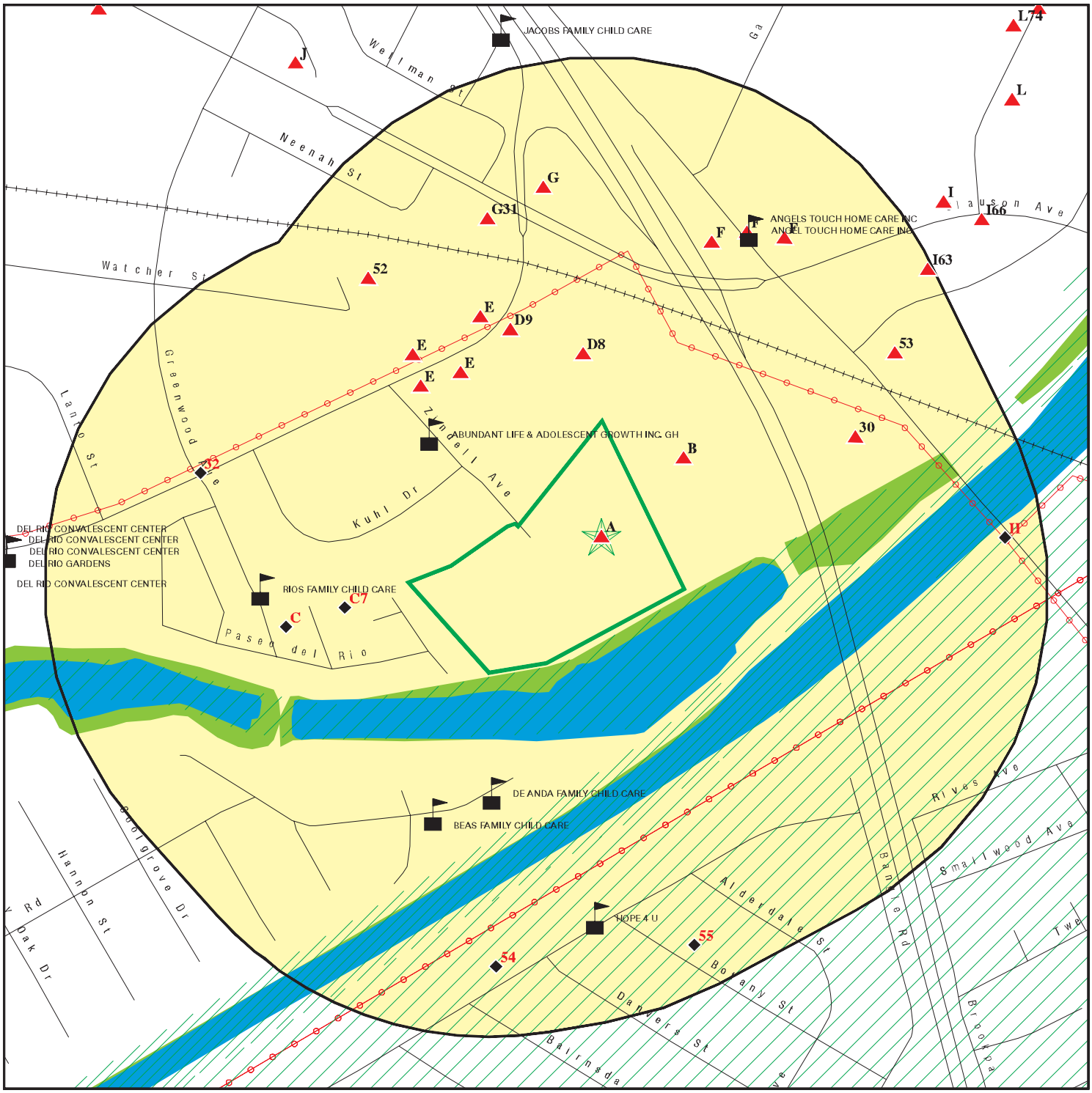
N

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: Veterans Memorial Park ADDRESS: 6364 Zindell Avenue Los Angeles CA 90040 LAT/LONG: 33.972567 / 118.125828	CLIENT: SCS Engineers CONTACT: Justin Rauzon INQUIRY #: 05781776.2r DATE: September 09, 2019 4:19 pm

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DETAIL MAP - 05781776.2R



0 1/16 1/8 1/4 Miles

- 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
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- 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: Veterans Memorial Park	CLIENT: SCS Engineers
ADDRESS: 6364 Zindell Avenue Los Angeles CA 90040	CONTACT: Justin Rauzon INQUIRY #: 05781776.2r
LAT/LONG: 33.972567 / 118.125828	DATE: September 09, 2019 4:24 pm

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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								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	1	NR	NR	NR	2
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-CESQG	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 CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	4	NR	4
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	1	3	18	NR	22
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		1	1	2	NR	NR	4
State and tribal leaking storage tank lists								
LUST	0.500		3	8	5	NR	NR	16

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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	4	NR	NR	6
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	5	NR	NR	NR	5
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		1	1	1	NR	NR	3
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	0	2	NR	2
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		2	6	NR	NR	NR	8
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		5	5	NR	NR	NR	10
HIST UST	0.250		3	9	NR	NR	NR	12
CERS TANKS	0.250		0	3	NR	NR	NR	3
CA FID UST	0.250		1	3	NR	NR	NR	4
Local Land Records								
LIENS	0.001		0	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
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	2	9	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	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	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	0.001	1	0	NR	NR	NR	NR	1
ECHO	0.001	1	0	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	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		0	1	1	NR	NR	2
CUPA Listings	0.250		0	0	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	2	0	NR	NR	NR	NR	2
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		3	4	5	NR	NR	12
LOS ANGELES CO. HMS	0.001		0	NR	NR	NR	NR	0
HWP	1.000		0	0	0	1	NR	1
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	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	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	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		1	0	1	NR	NR	2
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		5	27	57	24	27	0	140

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **CITY OF COMMERCE VETERANS PARK** **HAZNET** **S113152327**
Target **6364 ZINDELL AVE** **N/A**
Property **COMMERCE, CA 90040**

Site 1 of 4 in cluster A

Actual:
148 ft.

HAZNET:

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2017
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Tons:	28.75
CA Waste Code:	151-Asbestos containing waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2017
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	1.848
CA Waste Code:	135-Unspecified aqueous solution
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2017
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.375

CITY OF COMMERCE VETERANS PARK (Continued) **S113152327**

CA Waste Code: 181-Other inorganic solid waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: CITY OF COMMERCE VETERANS PARK
Address: 6364 ZINDELL AVE
City,State,Zip: COMMERCE, CA 900403831
Year: 2015
GEPAID: CAL000331671
Contact: GINA NILA
Telephone: 3237224805
Mailing Name: Not reported
Mailing Address: 2535 COMMERCE WAY
Mailing City,St,Zip: COMMERCE, CA 90040
Gen County: Los Angeles
TSD EPA ID: NVT330010000
TSD County: 99
Tons: 0.6
CA Waste Code: 181-Other inorganic solid waste
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Name: CITY OF COMMERCE VETERANS PARK
Address: 6364 ZINDELL AVE
City,State,Zip: COMMERCE, CA 900403831
Year: 2009
GEPAID: CAL000331671
Contact: Gina Nila
Telephone: 3237224805
Mailing Name: Not reported
Mailing Address: 2535 COMMERCE WAY
Mailing City,St,Zip: COMMERCE, CA 90040
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.041
CA Waste Code: 181-Other inorganic solid waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

A2 **ALLEY WAY ABATEMENTS** **HAZNET** **S113458002**
Target **6364 ZINDELL AVE** **N/A**
Property **COMMERCE, CA 90040**

Site 2 of 4 in cluster A

Actual: **148 ft.**

HAZNET:
Name: ALLEY WAY ABATEMENTS
Address: 6364 ZINDELL AVE
City,State,Zip: COMMERCE, CA 90040
Year: 2010
GEPAID: CAC002649699

ALLEY WAY ABATEMENTS (Continued) **S113458002**

Contact:	BARRY SASSE
Telephone:	5629865000
Mailing Name:	Not reported
Mailing Address:	4510 E PACIFIC COAST HWY
Mailing City,St,Zip:	LONG BEACH, CA 90804
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.475
CA Waste Code:	352-Other organic solids
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

A3 **CITY OF COMMERCE VETERANS PARK** **RCRA NonGen / NLR** **1024819977**
Target **6364 ZINDELL AVE** **CAL000331671**
Property **COMMERCE, CA 90040**

Site 3 of 4 in cluster A

Actual: 148 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/14/2008
Facility name:	CITY OF COMMERCE VETERANS PARK
Facility address:	6364 ZINDELL AVE COMMERCE, CA 90040-3831
EPA ID:	CAL000331671
Mailing address:	2535 COMMERCE WAY COMMERCE, CA 90040
Contact:	GINA NILA
Contact address:	2535 COMMERCE WAY COMMERCE, CA 90040
Contact country:	Not reported
Contact telephone:	323-722-4805
Contact email:	GINAN@CI.COMMERCE.CA.US
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF COMMERCE
Owner/operator address:	2535 COMMERCE WAY COMMERCE, CA 90040
Owner/operator country:	Not reported
Owner/operator telephone:	323-722-4805
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	GINA NILA
Owner/operator address:	2535 COMMERCE WAY COMMERCE, CA 90040
Owner/operator country:	Not reported
Owner/operator telephone:	323-722-4805

CITY OF COMMERCE VETERANS PARK (Continued) **1024819977**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A4 **CITY OF COMMERCE VETERANS PARK** **FINDS** **1024683618**
Target **6364 ZINDELL AVE** **ECHO** **N/A**
Property **COMMERCE, CA 90040**

Site 4 of 4 in cluster A

Actual: 148 ft.

FINDS:

Registry ID: 110070472012

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: 1024683618
Registry ID: 110070472012
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070472012

B5 **SLOTKIN PROPERTIES** **CPS-SLIC** **S106671316**
NE **7316 E GAGE AVE** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **COMMERCE, CA 90040** **CERS**
0.039 mi.
207 ft. **Site 1 of 2 in cluster B**

Relative: Higher

Actual: 154 ft.

CPS-SLIC:

Name:	GAGE AVENUE DISPOSAL SITE- EASTERN PARCEL
Address:	7316 E. GAGE AVENUE
City,State,Zip:	COMMERCE, CA 90040
Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	08/04/2016
Global Id:	T10000005526
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.9735512649751
Longitude:	-118.124784778821
Case Type:	Cleanup Program Site
Case Worker:	NLA
Local Agency:	Not reported
RB Case Number:	1317
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Sediments, Soil, Soil Vapor, Surface water, Under Investigation
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Vinyl chloride, Polychlorinated biphenyls (PCBs), DDD / DDE / DDT, Endrin, Arsenic, Lead, Naphthalene, Polynuclear aromatic hydrocarbons (PAHs), Total Petroleum Hydrocarbons (TPH), Waste Oil / Motor / Hydraulic / Lubricating
Site History:	The site contains a closed landfill that operated from approximately August 1950 through March 1954 under County of Los Angeles Industrial Permit No. 80. Part of the landfill extends offsite under the adjacent Veteran's Park. Several other closed landfills from the same era are present in the site area. The dump is reported to have accepted primarily construction debris and inert fill materials.

Click here to access the California GeoTracker records for this facility:

LOS ANGELES CO. HMS:

Name:	SLOTKIN PROPERTIES
Address:	7316 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Region:	LA
Permit Category:	Not reported
Facility Id:	000756-014895
Facility Type:	Not reported
Facility Status:	Removed
Area:	3V
Permit Number:	Not reported
Permit Status:	Not reported

CERS:

Name:	GAGE AVENUE DISPOSAL SITE- EASTERN PARCEL
Address:	7316 E. GAGE AVENUE
City,State,Zip:	COMMERCE, CA 90040
Site ID:	254103

SLOTKIN PROPERTIES (Continued) **S106671316**

CERS ID: T10000005526
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NICOLE ALKOV - 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: 2135766677

B6 **SLOTKIN PROPERTIES** **SWF/LF** **U002277894**
NE **7316 GAGE AVE** **LUST** **N/A**
< 1/8 **COMMERCE, CA 90040** **SWEEPS UST**
0.039 mi. **ENF**
207 ft. **Site 2 of 2 in cluster B** **HIST CORTESE**
NPDES
Relative: Higher **CIWQS**
CERS
Actual: 154 ft. **LOS ANGELES CO LF METHANE**

SWF/LF (SWIS):
Name: GAGE AVENUE DUMP
Address: 7316 GAGE AVENUE
City,State,Zip: COMMERCE, CA
Facility ID: 19-AA-5543
Lat/Long: 33.9751 / -118.1267
Owner Name: City Of Commerce
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: 2535 Commerce Way
Owner City,St,Zip: Commerce, CA 90040
Operational Status: Closed
Operator: Slotkin Properties
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: 4851 So. Alameda St
Operator City,St,Zip: Los Angeles, CA 90058
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: Not reported
Activity: Solid Waste Disposal Site
Regulation Status: Unpermitted
Landuse Name: Recreational,Park,Commercial
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-5543
Waste Discharge Requirement Num: Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 33.9751 / -118.1267

Name: GAGE AVENUE DUMP
Address: 7316 GAGE AVENUE
City,State,Zip: COMMERCE, CA
Facility ID: 19-AA-5543
Lat/Long: 33.9751 / -118.1267
Owner Name: Multiple Owners
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: Not reported
Owner City,St,Zip: Not reported
Operational Status: Closed
Operator: Slotkin Properties
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: 4851 So. Alameda St
Operator City,St,Zip: Los Angeles, CA 90058
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: Not reported
Activity: Solid Waste Disposal Site
Regulation Status: Unpermitted
Landuse Name: Recreational,Park,Commercial
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 19-AA-5543
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 33.9751 / -118.1267

LOS ANGELES CO. LF:
Name: GAGE AVENUE DUMP
Address: 7316 GAGE AVENUE
City,State,Zip: COMMERCE, CA 90040
Site ID: 1939
Alt. Address: 7326 East Gage Avenue, Commerce, CA; 7272 Gage Avenue, Commerce, CA; 7840 Telegraph Road, Cor
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Site Website:	Not reported
Site Type:	Designated Waste Landfill
Site SWIS Number:	19-AA-5543
Beginning Operation Date:	Aug-50
Ending Operation Date:	Mar-54
Local Enforcement Agency:	County Public Health
Maximun Depth Fill(Ft):	29
Permitted Capacity:	Not reported
Present Use:	Veterans Memorial Park
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Inert; Residential
Hours of Operation:	Not reported
Disposal Area (Acre):	13.6

Detail As Of 01/2014:

Operator Name:	Slotkin Properties
Operator Address:	4851 SOUTH ALAMEDA STREET
Operator City/State/Zip:	LOS ANGELES, CA 90058
Operator Contact:	Mark Slotkin
Operator Telephone:	(310) 722-4805
Operator Email:	Not reported
Owner Name:	Multiple Owners (See Notes)
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

LUST:

Name:	SLOTKIN PROPERTIES
Address:	7316 GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704219
Global Id:	T0603704219
Latitude:	33.9749226
Longitude:	-118.1266825
Status:	Completed - Case Closed
Status Date:	03/10/1998
Case Worker:	Not reported
RB Case Number:	I-14895
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0603704219
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

SLOTKIN PROPERTIES (Continued) **U002277894**

Phone Number: 6264583507

LUST:
Global Id: T0603704219
Action Type: Other
Date: 02/21/1990
Action: Leak Discovery

Global Id: T0603704219
Action Type: Other
Date: 02/21/1990
Action: Leak Stopped

Global Id: T0603704219
Action Type: Other
Date: 02/21/1990
Action: Leak Reported

Global Id: T0603704219
Action Type: ENFORCEMENT
Date: 08/21/1997
Action: * Historical Enforcement

LUST:
Global Id: T0603704219
Status: Open - Case Begin Date
Status Date: 02/21/1990

Global Id: T0603704219
Status: Open - Site Assessment
Status Date: 03/21/1990

Global Id: T0603704219
Status: Open - Site Assessment
Status Date: 10/13/1992

Global Id: T0603704219
Status: Completed - Case Closed
Status Date: 03/10/1998

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14895
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704219
W Global ID: Not reported
Staff: HP
Local Agency: 19000

SLOTKIN PROPERTIES (Continued) **U002277894**

Cross Street:	SLAUSON AVE	
Enforcement Type:	EF	
Date Leak Discovered:	2/21/1990	
Date Leak First Reported:		2/21/1990
Date Leak Record Entered:	4/12/1990	
Date Confirmation Began:	3/21/1990	
Date Leak Stopped:	2/21/1990	
Date Case Last Changed on Database:		2/11/1998
Date the Case was Closed:		3/10/1998
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	RAYMER, DOUG	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2012.778670332534849228358502
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		10/13/1992
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:		8/21/1997
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:	SLOTKIN PROPERTIES	
RP Address:	9031 WEST OLYMPIC BLVD, BEVERLY HILLS 90211	
Program:	LUST	
Lat/Long:	33.9749226 / -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:	THE SITE HAD USTS WHICH WERE REMOVED. SOIL SAMPLES COLLECTED BELOW USTS INDICATED PRESENCE OF HC. ADDITIONAL INFORMATION SUBMITTED ON THE CASE INDICATED THAT THE UST WAS REMOVED IN 1990. SITE WAS USED AS A LANDFILL FROM 1954	

SWEEPS UST:

Name:	SLOTKIN PROPERTIES
Address:	7316 GAGE AVE
City:	COMMERCE
Status:	Active
Comp Number:	14895
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89

SLOTKIN PROPERTIES (Continued) **U002277894**

Action Date:	Not reported
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

ENF:

Name:	GAGE AVENUE DUMP
Address:	7316 GAGE AVENUE
City,State,Zip:	COMMERCE, CA
Region:	4
Facility Id:	805505
Agency Name:	Not reported
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	33.9748
Place Longitude:	-118.12696
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	396983
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	06/18/2014
Adoption/Issuance Date:	06/18/2014
Achieve Date:	Not reported
Termination Date:	06/19/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 06/18/2014 for Comstock Realty Partners
Description:	Notice of Violation for inadequate reporting pursuant to 13267 Order
Program:	LFNONOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	SLOTKIN PROPERTIES
edr_fadd1:	7316 GAGE
City,State,Zip:	LOS ANGELES, CA 90201
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14895

SLOTKIN PROPERTIES (Continued) **U002277894**

NPDES:

Name:	COMSTOCK GAGE
Address:	7316 GAGE AVENUE
City,State,Zip:	COMMERCE, CA 90040
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:	4 19C370029
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:	Active
Status Date:	06/17/2014
Operator Name:	Comstock Gage LLC
Operator Address:	2170 Century Park East #2109
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90067

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	446351
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C370029
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/17/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Comstock Gage LLC
Discharge Address:	2170 Century Park East #2109
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90067
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	446351
Order Number:	Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C370029
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/13/2014
Processed Date:	06/17/2014
Status:	Active
Status Date:	06/17/2014
Place Size:	7.8
Place Size Unit:	Acres
Contact:	Adrian Comstock
Contact Title:	Principal
Contact Phone:	310-444-5550
Contact Phone Ext:	102
Contact Email:	acomstock@comstockrealtypartners.com
Operator Name:	Comstock Gage LLC
Operator Address:	2170 Century Park East #2109
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90067
Operator Contact:	Adrian Comstock
Operator Contact Title:	Principal
Operator Contact Phone:	310-444-5550
Operator Contact Phone Ext:	102
Operator Contact Email:	acomstock@comstockrealtypartners.com
Operator Type:	Private Business
Developer:	Comstock Gage LLC
Developer Address:	2170 Century Park East #2109
Developer City:	LosAngeles
Developer State:	California
Developer Zip:	90067
Developer Contact:	Adrian Comstock
Developer Contact Title:	Principal
Constype Linear Utility Ind:	N
Emergency Phone:	310-729-2929
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N

SLOTKIN PROPERTIES (Continued) **U002277894**

Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Adrian Comstock
Certifier Title:	President
Certification Date:	13-JUN-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	COMSTOCK GAGE
Address:	7316 GAGE AVENUE
City,State,Zip:	COMMERCE, CA 90040
Facility Status:	Active
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	446351
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C370029
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/17/2014
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2170 Century Park East #2109
Discharge Name:	Comstock Gage LLC
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90067
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	446351
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C370029
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/17/2014
Expiration Date Of Regulatory Measure:	Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Comstock Gage LLC
Discharge Address:	2170 Century Park East #2109
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90067
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	446351
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C370029
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	06/13/2014
Processed Date:	06/17/2014
Status:	Active
Status Date:	06/17/2014
Place Size:	7.8
Place Size Unit:	Acres
Contact:	Adrian Comstock
Contact Title:	Principal
Contact Phone:	310-444-5550
Contact Phone Ext:	102
Contact Email:	acomstock@comstockrealtypartners.com
Operator Name:	Comstock Gage LLC
Operator Address:	2170 Century Park East #2109
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90067
Operator Contact:	Adrian Comstock
Operator Contact Title:	Principal
Operator Contact Phone:	310-444-5550
Operator Contact Phone Ext:	102
Operator Contact Email:	acomstock@comstockrealtypartners.com
Operator Type:	Private Business
Developer:	Comstock Gage LLC
Developer Address:	2170 Century Park East #2109
Developer City:	LosAngeles
Developer State:	California
Developer Zip:	90067
Developer Contact:	Adrian Comstock
Developer Contact Title:	Principal
Constype Linear Utility Ind:	N
Emergency Phone:	310-729-2929
Emergency Phone Ext:	Not reported

SLOTKIN PROPERTIES (Continued) **U002277894**

Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	Y
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Adrian Comstock
Certifier Title:	President
Certification Date:	13-JUN-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	COMSTOCK GAGE
Address:	7316 GAGE AVENUE
City,State,Zip:	COMMERCE, CA 90040
Agency:	Comstock Gage LLC
Agency Address:	2170 Century Park East #2109, Losangeles, CA 90067
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C370029
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/17/2014
Termination Date:	Not reported
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:	33.9748
Longitude:	-118.12696

CERS:

Name:	SLOTKIN PROPERTIES

SLOTKIN PROPERTIES (Continued) **U002277894**

Address: 7316 GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 206110
CERS ID: T0603704219
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

Name: GAGE AVENUE DUMP
Address: 7316 GAGE AVENUE
City,State,Zip: COMMERCE, CA
Site ID: 508821
CERS ID: 19-AA-5543
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: Slotkin Properties
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90058
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: City of Commerce
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Multiple Owners
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

Name: COMSTOCK GAGE

SLOTKIN PROPERTIES (Continued) **U002277894**

Address: 7316 GAGE AVENUE
City,State,Zip: COMMERCE, CA 90040
Site ID: 529668
CERS ID: 829422
CERS Description: Construction Storm Water

Evaluation:
Eval General Type: Complaint Inspection
Eval Date: 01-29-2016
Violations Found: No
Eval Type: Industrial Storm Water Complaint Inspection
Eval Notes: Complaint inspection referred by Jerff Brook NO construction on site yet but sediment tracking and sediment control BMPs were implemented on site during the inspection.
Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Comstock Gage LLC
Entity Title: Operator
Affiliation Address: 2170 Century Park East #2109
Affiliation City: LosAngeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90067
Affiliation Phone: Not reported

LOS ANGELES CO LF METHANE:
Name: GAGE AVENUE DUMP
Address: 7316 GAGE AVENUE
City,State,Zip: COMMERCE, CA 90040
Site Number: 1939
Status: Closed
Description: Designated Waste Landfill
Operator Name: Slotkin Properties
Operator Telephone: (310) 722-4805

C7 **WATKINS TERMINALS, INC.** **SWEEPS UST** **S106934261**
WSW **6371 GREENWOOD AVE** **N/A**
< 1/8 **BELL GARDENS, CA**
0.047 mi.
247 ft. **Site 1 of 6 in cluster C**

Relative:
Lower

Actual:
144 ft.

SWEEPS UST:
Name: WATKINS TERMINALS, INC.
Address: 6371 GREENWOOD AVE
City: BELL GARDENS
Status: Active
Comp Number: 13484
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

WATKINS TERMINALS, INC. (Continued) **S106934261**

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

D8 **JAN-U-WINE FOODS** **SWEEPS UST** **S106669432**
North **7272 E GAGE AVE** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **LOS ANGELES, CA 90040**
0.048 mi.
254 ft. **Site 1 of 2 in cluster D**

Relative:
Higher

Actual:
152 ft.

SWEEPS UST:

Name:	JAN-U-WINE FOODS INC
Address:	7272 E GAGE AVE
City:	COMMERCE
Status:	Active
Comp Number:	1060
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
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

LOS ANGELES CO. HMS:

Name:	JAN-U-WINE FOODS
Address:	7272 E GAGE AVE
City,State,Zip:	LOS ANGELES, CA 90040
Region:	LA
Permit Category:	I
Facility Id:	001010-I01060
Facility Type:	01
Facility Status:	Closed
Area:	3V
Permit Number:	000005458
Permit Status:	Closed

Name:	JAN-U-WINE FOODS INC
Address:	7272 E GAGE AVE
City,State,Zip:	LOS ANGELES, CA 90040
Region:	LA
Permit Category:	Not reported
Facility Id:	001010-001060
Facility Type:	Not reported

JAN-U-WINE FOODS (Continued) **S106669432**

Facility Status: Removed
Area: 3V
Permit Number: Not reported
Permit Status: Not reported

D9 **GAGE AVENUE DUMP** **WMUDS/SWAT** **S104156381**
NNW **7326 EAST GAGE AVENUE** **N/A**
< 1/8 **COMMERCE, CA**
0.089 mi.
468 ft. **Site 2 of 2 in cluster D**

Relative: **Higher**
Actual: **152 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	50-33
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported

GAGE AVENUE DUMP (Continued) **S104156381**

RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190450NUR
Solid Waste Information ID:	Not reported

C10 **FREIGHT TERMINALS, INC.** **LUST** **S105051330**
WSW **6370 GREENWOOD AVE** **N/A**
< 1/8 **COMMERCE, CA 90040**
0.089 mi.
470 ft. **Site 2 of 6 in cluster C**

Relative: LUST REG 4:
Lower

Actual:
143 ft.

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-03900	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603702951	
W Global ID:	Not reported	
Staff:	SLC	
Local Agency:	19000	
Cross Street:	GAGE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		10/8/1987
Date Leak Record Entered:	6/14/1988	
Date Confirmation Began:	3/15/1990	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		6/11/1996
Date the Case was Closed:		2/7/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	OLD CASE #003900	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2094.190816068507780553702085 5
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		2/12/1988
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	

FREIGHT TERMINALS, INC. (Continued) **S105051330**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	WATKINS MOTOR LINES TERMINAL
RP Address:	6500 MCDONOUGH DR, NORCROSS, GEORGIA
Program:	SLIC
Lat/Long:	33.9720837 / -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:	**HPD/CALMARK DEVELOPMENT CORP. NO REPORTS ATTACHED W/REFERRAL LTR 6/11/96. REFER TO SLIC #094

C11 **WATKINS MOTOR LINES** **SWEEPS UST** **S101617454**
WSW **6370 S GREENWOOD** **HIST UST** **N/A**
< 1/8 **COMMERCE, CA 90040** **CA FID UST**
0.089 mi.
470 ft. **Site 3 of 6 in cluster C**

Relative: **Lower**

Actual: **143 ft.**

SWEEPS UST:

Name:	WATKINS MOTOR LINES
Address:	6370 S GREENWOOD AVE
City:	COMMERCE
Status:	Active
Comp Number:	3900
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
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

HIST UST:

Name:	WATKINS MOTOR LINES
Address:	6370 S GREENWOOD
City,State,Zip:	COMMERCE, CA 90040
File Number:	0002691D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002691D.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

WATKINS MOTOR LINES (Continued) **S101617454**

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
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19001714
Regulated By: UTNKA
Regulated ID: 00497443
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: COMMERCE
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

C12 **WATKINS MOTOR LINES** **HIST UST** **U001561667**
WSW **6370 GREENWOOD AVE** **N/A**
< 1/8 **LOS ANGELES, CA 90040**
0.089 mi.
470 ft. **Site 4 of 6 in cluster C**

Relative:
Lower

Actual:
143 ft.

HIST UST:
Name: WATKINS MOTOR LINES
Address: 6370 GREENWOOD AVE
City,State,Zip: LOS ANGELES, CA 90040
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000055659
Facility Type: Other
Other Type: COMMON CARRIER, TRUC
Contact Name: BRENT GAYLER
Telephone: 2135871111
Owner Name: FREIGHT TERMINALS, INC.
Owner Address: P.O. BOX 1738
Owner City,St,Zip: ATLANTA, GA 30371
Total Tanks: 0015

Tank Num: 001

WATKINS MOTOR LINES (Continued) **U001561667**

Container Num:	ONE
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	TWO
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	THREE
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	FOUR
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	005
Container Num:	ONE
Year Installed:	Not reported
Tank Capacity:	00050000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Vapor Sniff Well
Tank Num:	006
Container Num:	TWO
Year Installed:	Not reported
Tank Capacity:	00050000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Vapor Sniff Well
Tank Num:	007
Container Num:	THREE
Year Installed:	Not reported
Tank Capacity:	00050000

WATKINS MOTOR LINES (Continued) **U001561667**

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 008
Container Num: FOUR
Year Installed: Not reported
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 009
Container Num: FIVE
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 010
Container Num: SIX
Year Installed: Not reported
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 011
Container Num: SEVEN
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 012
Container Num: EIGHT
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Vapor Sniff Well

Tank Num: 013
Container Num: NINE
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported

WATKINS MOTOR LINES (Continued) **U001561667**

Leak Detection:	Vapor Sniff Well
Tank Num:	014
Container Num:	TEN
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Vapor Sniff Well
Tank Num:	015
Container Num:	ELEVEN
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Vapor Sniff Well

C13 **FREIGHT TERMINALS, INC.** **CPS-SLIC S104916202**
WSW **6370 GREENWOOD** **CERS N/A**
< 1/8 **COMMERCE, CA 90040**
0.089 mi.
470 ft. **Site 5 of 6 in cluster C**

Relative: **Lower**

Actual: **143 ft.**

CPS-SLIC:

Name:	FREIGHT TERMINALS, INC.
Address:	6370 GREENWOOD AVENUE
City,State,Zip:	COMMERCE, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/02/1997
Global Id:	SL184051388
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.971656
Longitude:	-118.129623
Case Type:	Cleanup Program Site
Case Worker:	DH
Local Agency:	Not reported
RB Case Number:	0094
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:

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0094
Substance:	VOCs
Staff:	David Hung

FREIGHT TERMINALS, INC. (Continued) **S104916202**

CERS:
Name: FREIGHT TERMINALS, INC.
Address: 6370 GREENWOOD
City,State,Zip: COMMERCE, CA 90040
Site ID: 315245
CERS ID: 226412
CERS Description: Tanks & Ground Water Clean Up

Name: FREIGHT TERMINALS, INC.
Address: 6370 GREENWOOD AVENUE
City,State,Zip: COMMERCE, CA
Site ID: 191343
CERS ID: SL184051388
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: DAVID HUNG - 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

C14 **FREIGHT TERMINALS, INC.** **HIST CORTESE** **S101540011**
WSW **6370 GREENWOOD** **N/A**
< 1/8 **LOS ANGELES, CA 90201**
0.089 mi.
470 ft. **Site 6 of 6 in cluster C**

Relative: **Lower**
Actual: **143 ft.**

HIST CORTESE:
edr_fname: FREIGHT TERMINALS, INC.
edr_fadd1: 6370 GREENWOOD
City,State,Zip: LOS ANGELES, CA 90201
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-03900

E15 **GOOD STUFF FOOD CO., INC.** **HIST CORTESE** **1001608509**
NW **7222 GAGE** **N/A**
< 1/8 **LOS ANGELES, CA 90040**
0.097 mi.
510 ft. **Site 1 of 11 in cluster E**

Relative: **Higher**
Actual: **150 ft.**

HIST CORTESE:
edr_fname: GOOD STUFF FOOD CO., INC.
edr_fadd1: 7222 GAGE
City,State,Zip: LOS ANGELES, CA 90040
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-24935

E16
NW
< 1/8
0.097 mi.
510 ft.

GOOD STUFF FOOD CO., INC.
7222 GAGE AVE E
COMMERCE, CA 90040

Site 2 of 11 in cluster E

Database(s): LUST, CERS
EDR ID Number: 1002846450
EPA ID Number: N/A

Relative: Higher

Actual: 150 ft.

LUST:

Name:	GOOD STUFF FOOD CO., INC.
Address:	7222 GAGE AVE E
City,State,Zip:	COMMERCE, CA 90040
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705475
Global Id:	T0603705475
Latitude:	33.97376
Longitude:	-118.127119
Status:	Completed - Case Closed
Status Date:	08/26/1997
Case Worker:	JOA
RB Case Number:	R-24935
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:	T0603705475
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:	T0603705475
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:	T0603705475
Action Type:	Other
Date:	07/21/1997
Action:	Leak Discovery

Global Id:	T0603705475
Action Type:	Other
Date:	06/11/1997
Action:	Leak Stopped

Global Id:	T0603705475
Action Type:	Other

GOOD STUFF FOOD CO., INC. (Continued) **1002846450**

Date: 07/28/1997
Action: Leak Reported

LUST:
Global Id: T0603705475
Status: Open - Case Begin Date
Status Date: 06/11/1997

Global Id: T0603705475
Status: Completed - Case Closed
Status Date: 08/26/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-24935
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: OT
Global ID: T0603705475
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ZINDELL AVE
Enforcement Type: Not reported
Date Leak Discovered: 7/21/1997
Date Leak First Reported: 7/28/1997
Date Leak Record Entered: 10/1/1997
Date Confirmation Began: Not reported
Date Leak Stopped: 6/11/1997
Date Case Last Changed on Database: 8/26/1997
Date the Case was Closed: 8/26/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: JUN YOUNG KIM
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2171.112850780178851109144812 9
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

GOOD STUFF FOOD CO., INC. (Continued) **1002846450**

Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: WASHINGTON TEXTILE
RP Address: 1026 S. WALL ST., SUITE #200, LOS ANGELES, CA 90015
Program: LUST
Lat/Long: 33.9739517 / -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: TPH=12000 PPM, BTXE=0.5/0.5/1.5/1.5PPM

CERS:
Name: GOOD STUFF FOOD CO., INC.
Address: 7222 GAGE AVE E
City,State,Zip: COMMERCE, CA 90040
Site ID: 219184
CERS ID: T0603705475
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
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: 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

E17 **GOOD STUFF FOOD CO INC** **CERS HAZ WASTE** **U003057853**
NW **7222 E GAGE AVE** **EMI** **N/A**
< 1/8 **LOS ANGELES, CA 90040** **LOS ANGELES CO. HMS**
0.097 mi. **CERS**
510 ft. **Site 3 of 11 in cluster E**

Relative: Higher
Actual: 150 ft.

CERS HAZ WASTE:
Name: ESCON CORPORATION
Address: 7222 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 28652

GOOD STUFF FOOD CO INC (Continued) **U003057853**

CERS ID: 10263280
CERS Description: Hazardous Waste Generator

EMI:

Name:	LANGENDORF UNITED BAKERIES, IN
Address:	7222 E GAGE AV
City,State,Zip:	LOS ANGELES, CA 90040
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	47489
Air District Name:	SC
SIC Code:	2051
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:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	LANGENDORF UNITED BAKERIES, IN
Address:	7222 E GAGE AV
City,State,Zip:	LOS ANGELES, CA 90040
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	47489
Air District Name:	SC
SIC Code:	2051
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:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ESCON CORPORATION
Address:	7222 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Year:	2008
County Code:	19
Air Basin:	SC
Facility ID:	119722
Air District Name:	SC
SIC Code:	1751
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:	2.641967810507136349

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Reactive Organic Gases Tons/Yr:	2.61
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

Name:	ESCON CORPORATION
Address:	7222 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Year:	2012
County Code:	19
Air Basin:	SC
Facility ID:	119722
Air District Name:	SC
SIC Code:	1751
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:	3.3939265108
Reactive Organic Gases Tons/Yr:	3.35286
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.06286
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0578312

Name:	ESCON CORPORATION
Address:	7222 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	119722
Air District Name:	SC
SIC Code:	1751
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:	1.1305395283
Reactive Organic Gases Tons/Yr:	1.11686
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.03186
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0305856

Name:	ESCON CORPORATION
Address:	7222 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	119722
Air District Name:	SC
SIC Code:	1751
Air District Name:	SOUTH COAST AQMD

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.2827413898
Reactive Organic Gases Tons/Yr:	1.26741062
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.0663458
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.063691968

Name:	ESCON CORPORATION
Address:	7222 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	119722
Air District Name:	SC
SIC Code:	1751
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:	1.3867800385
Reactive Organic Gases Tons/Yr:	1.37
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.02861
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0274656

LOS ANGELES CO. HMS:

Name:	GOOD STUFF FOOD CO INC
Address:	7222 E GAGE AVE
City,State,Zip:	LOS ANGELES, CA 90040
Region:	LA
Permit Category:	I
Facility Id:	001424-I01497
Facility Type:	01
Facility Status:	Closed
Area:	3V
Permit Number:	000011974
Permit Status:	Closed

Name:	GOOD STUFF FOOD CO INC
Address:	7222 E GAGE AVE
City,State,Zip:	LOS ANGELES, CA 90040
Region:	LA
Permit Category:	I
Facility Id:	001424-I01497
Facility Type:	01
Facility Status:	Closed
Area:	3V
Permit Number:	000011973
Permit Status:	Removed

Name:	GOOD STUFF FOOD CO INC
Address:	7222 E GAGE AVE

GOOD STUFF FOOD CO INC (Continued) **U003057853**

City,State,Zip: LOS ANGELES, CA 90040
Region: LA
Permit Category: I
Facility Id: 001424-I01497
Facility Type: 01
Facility Status: Closed
Area: 3V
Permit Number: 000011975
Permit Status: Closed

CERS:
Name: ESCON CORPORATION
Address: 7222 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 28652
CERS ID: 110041514224
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:
Site ID: 28652
Site Name: ESCON CORPORATION
Violation Date: 03-07-2019
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 05/17/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. a) The new Federal Hazard Categories on reported chemicals are not applied in the facility's Hazardous Materials Inventory. b) The Hazardous Materials Inventory is missing the following hazardous materials, observed on site: - 1 x 55 gallon drum of acetone waste (l) - 4 x 55 gallon drum of solids contaminated with flammable liquids (s) CORRECTIVE ACTION: Complete and electronically submit the 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: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
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: All hazardous waste containers shall be marked with the following information: 1) the words ?Hazardous Waste?; 2) name and address of generator; 3)

GOOD STUFF FOOD CO INC (Continued) **U003057853**

hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed 2 x 55 gallon drums containing rags and stain waste, one adjacent to spray booth and one in outside hazardous waste storage area, unlabeled. Also observed 2 x 5 gallon satellite waste accumulation (rags), 4 x 5 gallon rinse solution (cleaning of paint guns) bearing no labels. 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: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/05/2015. OBSERVATION: Observed empty 55 gallon drum used for hazardous waste storage, in hazardous waste storage area outside, bearing no label, indicating that it's empty. CORRECTIVE ACTION: Each empty container larger than 5 gallons that previously held a hazardous material must be marked with the date it was emptied and be shipped for recycling, reconditioning, or reclamation of its scrap value ? or managed on site in such a manner ? within one year of being emptied. 22CCR 11 66261.7
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
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 hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/05/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for approximately 55 gallons of paint, 6 x 8 gallon propane tanks and 4 x 55 gallon drums used for accumulating stain, rags and flammable liquids waste, to the CUPA. 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

Site ID: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
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.

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Violation Notes:	Returned to compliance on 08/05/2015. OBSERVATION: The annotated site map submitted to the CUPA does not include nearby storm and sewer drains, north orientation, location of all hazardous materials and location of emergency response equipment (including spill kits). 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:	28652
Site Name:	ESCON CORPORATION
Violation Date:	05-15-2015
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 08/05/2015. OBSERVATION: All hazardous waste containers shall be closed at all times except when adding or removing waste. Observed 4 x 5 gallon containers with waste solution from cleaning paint guns uncovered. CORRECTIVE ACTION: Immediately close these containers and ensure all hazardous waste containers are closed when not adding or removing waste.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28652
Site Name:	ESCON CORPORATION
Violation Date:	05-15-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to 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 08/05/2015. OBSERVATION: An Emergency Response and Contingency Plan and procedures (to include employee training) 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

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Ernesto Panduro, Warehouse Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Eval Date:	03-07-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Ernesto Panduro, Warehouse Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Ernesto Panduro, Plant Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Ernesto Panduro, Plant Manager
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:	HMRRP
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

Coordinates:

Site ID:	28652
Facility Name:	ESCON CORPORATION
Env Int Type Code:	HWG
Program ID:	10263280
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.973740
Longitude:	-118.127060

Affiliation:

Affiliation Type Desc:	CUPA District

GOOD STUFF FOOD CO INC (Continued) **U003057853**

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) 890-4045
Affiliation Type Desc:	Parent Corporation
Entity Name:	ESCON CORPORATION
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:	ESCON CORPORATION
Entity Title:	Not reported
Affiliation Address:	7222 E. GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(562) 927-3456
Affiliation Type Desc:	Document Preparer
Entity Name:	Benjamin Shen
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:	GERRY LEYVA
Entity Title:	Not reported
Affiliation Address:	7222 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	ESCON CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Affiliation Phone:	(562) 927-3456
Affiliation Type Desc:	Environmental Contact
Entity Name:	GERRY LEYVA
Entity Title:	Not reported
Affiliation Address:	7222 E GAGE AVE
Affiliation City:	COMMERCE
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:	7222 E. GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Benjamin Shen
Entity Title:	Controller
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Name:	ESCON CORPORATION
Address:	7222 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Site ID:	28652
CERS ID:	10263280
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	28652
Site Name:	ESCON CORPORATION
Violation Date:	03-07-2019
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 05/17/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. a) The new Federal Hazard Categories on reported chemicals are not applied in the facility's Hazardous Materials Inventory. b) The Hazardous Materials Inventory is missing the following hazardous materials, observed on site: - 1 x 55 gallon drum of acetone waste (l) - 4 x 55 gallon drum of solids contaminated with flammable liquids (s) CORRECTIVE ACTION: Complete and electronically submit the chemical

GOOD STUFF FOOD CO INC (Continued) **U003057853**

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: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
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: All hazardous waste containers shall be marked with the following information: 1) the words ?Hazardous Waste?; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed 2 x 55 gallon drums containing rags and stain waste, one adjacent to spray booth and one in outside hazardous waste storage area, unlabeled. Also observed 2 x 5 gallon satellite waste accumulation (rags), 4 x 5 gallon rinse solution (cleaning of paint guns) bearing no labels. 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: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/05/2015. OBSERVATION: Observed empty 55 gallon drum used for hazardous waste storage, in hazardous waste storage area outside, bearing no label, indicating that it’s empty. CORRECTIVE ACTION: Each empty container larger than 5 gallons that previously held a hazardous material must be marked with the date it was emptied and be shipped for recycling, reconditioning, or reclamation of its scrap value ? or managed on site in such a manner ? within one year of being emptied. 22CCR 11 66261.7
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 28652
Site Name: ESCON CORPORATION
Violation Date: 05-15-2015
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 hazardous material

GOOD STUFF FOOD CO INC (Continued) **U003057853**

	inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/05/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for approximately 55 gallons of paint, 6 x 8 gallon propane tanks and 4 x 55 gallon drums used for accumulating stain, rags and flammable liquids waste, to the CUPA. 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
Site ID:	28652
Site Name:	ESCON CORPORATION
Violation Date:	05-15-2015
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 08/05/2015. OBSERVATION: The annotated site map submitted to the CUPA does not include nearby storm and sewer drains, north orientation, location of all hazardous materials and location of emergency response equipment (including spill kits). 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:	28652
Site Name:	ESCON CORPORATION
Violation Date:	05-15-2015
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 08/05/2015. OBSERVATION: All hazardous waste containers shall be closed at all times except when adding or removing waste. Observed 4 x 5 gallon containers with waste solution from cleaning paint guns uncovered. CORRECTIVE ACTION: Immediately close these containers and ensure all hazardous waste containers are closed when not adding or removing waste.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	28652
Site Name:	ESCON CORPORATION
Violation Date:	05-15-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Violation Notes: Returned to compliance on 08/05/2015. OBSERVATION: An Emergency Response and Contingency Plan and procedures (to include employee training) 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

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ernesto Panduro, Warehouse Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ernesto Panduro, Warehouse Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ernesto Panduro, Plant Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ernesto Panduro, Plant Manager
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: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

GOOD STUFF FOOD CO INC (Continued) **U003057853**

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

Coordinates:

Site ID:	28652
Facility Name:	ESCON CORPORATION
Env Int Type Code:	HWG
Program ID:	10263280
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.973740
Longitude:	-118.127060

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) 890-4045

Affiliation Type Desc:	Parent Corporation
Entity Name:	ESCON CORPORATION
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:	ESCON CORPORATION
Entity Title:	Not reported
Affiliation Address:	7222 E. GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(562) 927-3456

Affiliation Type Desc:	Document Preparer
Entity Name:	Benjamin Shen
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

GOOD STUFF FOOD CO INC (Continued) **U003057853**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	GERRY LEYVA
Entity Title:	Not reported
Affiliation Address:	7222 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	ESCON CORPORATION
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:	(562) 927-3456
Affiliation Type Desc:	Environmental Contact
Entity Name:	GERRY LEYVA
Entity Title:	Not reported
Affiliation Address:	7222 E GAGE AVE
Affiliation City:	COMMERCE
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:	7222 E. GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Benjamin Shen
Entity Title:	Controller
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E18
NW
< 1/8
0.097 mi.
510 ft.

LANGENDORF BAKERY
7222 E GAGE AVE
LOS ANGELES, CA 90040

Site 4 of 11 in cluster E

RCRA-SQG **1000233640**
FINDS **CAD981450869**
ECHO

Relative: Higher

Actual: 150 ft.

RCRA-SQG:

Date form received by agency:	03/05/1986
Facility name:	LANGENDORF BAKERY
Facility address:	7222 E GAGE AVE LOS ANGELES, CA 90040
EPA ID:	CAD981450869
Mailing address:	E GAGE AVE LOS ANGELES, CA 90040
Contact:	ENVIRONMENTAL MANAGER
Contact address:	7222 E GAGE AVE LOS ANGELES, CA 90040
Contact country:	US
Contact telephone:	213-927-1304
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LANGENDORF BAKERY
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

LANGENDORF BAKERY (Continued) **1000233640**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002711496

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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:	1000233640
Registry ID:	110002711496
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002711496

E19 **ESCON CORP** **RCRA-LQG** **1024804121**
NW **7222 E GAGE AVE** **CAL000256521**
< 1/8 **COMMERCE, CA 90040**
0.097 mi.
510 ft. **Site 5 of 11 in cluster E**

Relative:
Higher

Actual:
150 ft.

RCRA-LQG:

Date form received by agency:	10/29/2018
Facility name:	ESCON CORP
Facility address:	7222 E GAGE AVE COMMERCE, CA 90040
EPA ID:	CAL000256521
Mailing address:	E GAGE AVE COMMERCE, CA 90040
Contact:	GERRY LEYVA

ESCON CORP (Continued) **1024804121**

Contact address:	E GAGE AVE COMMERCE, CA 90040
Contact country:	US
Contact telephone:	562-927-3456
Telephone ext.:	102
Contact email:	GERRY@ESCONDOOR.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	BHS INC.
Owner/operator address:	E GAGE AVE COMMERCE, CA 90040
Owner/operator country:	US
Owner/operator telephone:	562-927-3456
Owner/operator email:	GERRY@ESCONDOOR.COM
Owner/operator fax:	562-927-7989
Owner/operator extension:	102
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/02/1998
Owner/Op end date:	Not reported

Owner/operator name:	UNLIMITED ENVIRONMENTAL SOLUTIONS
Owner/operator address:	LAKEFIELD RD. SUITE 1 WESTLAKE VILLAGE, CA 91361
Owner/operator country:	US
Owner/operator telephone:	562-216-0337
Owner/operator email:	MARK@UNLIMITEDENV.COM
Owner/operator fax:	805-371-4955
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/31/2008
Owner/Op end date:	Not reported

Owner/operator name:	ESCON CORP
Owner/operator address:	7222 E GAGE AVE COMMERCE, CA 90040
Owner/operator country:	Not reported
Owner/operator telephone:	562-927-3456
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other

ESCON CORP (Continued) **1024804121**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GERRY LEYVA
Owner/operator address: 7222 E GAGE AVE
COMMERCE, CA 90040
Owner/operator country: Not reported
Owner/operator telephone: 562-927-3456
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/25/2002
Site name: ESCON CORP
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

E20 NNW < 1/8 0.110 mi. 580 ft. **SO.WEST PUMPING SVC.**
7237 EAST GAGE AVE
LOS ANGELES, CA 90040
Site 6 of 11 in cluster E

RCRA NonGen / NLR 1000436715
FINDS CAD000456301
ECHO

Relative: Higher

Actual: 152 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/01/1980
Facility name:	SO.WEST PUMPING SVC.
Facility address:	7237 EAST GAGE AVE LOS ANGELES, CA 90040
EPA ID:	CAD000456301
Mailing address:	PO BOX 4114 WITTIER, CA 90607
Contact:	ENVIRONMENTAL MANAGER
Contact address:	7237 EAST GAGE AVE LOS ANGELES, CA 90040
Contact country:	US
Contact telephone:	213-264-3715
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PLUTE RICHARD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

SO.WEST PUMPING SVC. (Continued) **1000436715**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110009527351

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:	1000436715
Registry ID:	110009527351
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009527351

E21
NNW
< 1/8
0.110 mi.
580 ft.

Relative:
Higher

Actual:
152 ft.

GCP APPLIED TECHNOLOGIES INC **RCRA-SQG** **1000352276**
7237 EAST GAGE AVE **SWEEPS UST** **90040WRGRC7237E**
LOS ANGELES, CA 90040 **HIST UST**
TRIS
Site 7 of 11 in cluster E **EMI**
LOS ANGELES CO. HMS
NPDES
LA Co. Site Mitigation
WDS
CIWQS
CERS

RCRA-SQG:

Date form received by agency:	02/24/2016
Facility name:	GCP APPLIED TECHNOLOGIES INC
Facility address:	7237 E GAGE AVE LOS ANGELES, CA 90040
EPA ID:	CAD982005183
Mailing address:	E GAGE AVE LOS ANGELES, CA 90040
Contact:	JOHN D EVELYN
Contact address:	E GAGE AVE LOS ANGELES, CA 90040
Contact country:	US
Contact telephone:	562-927-8513

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: GCP APPLIED TECHNOLOGIES INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, 99999
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/03/2016
Owner/Op end date: Not reported

Owner/operator name: GCP APPLIED TECHNOLOGIES INC
Owner/operator address: WHITTEMORE AVE
MA 02140
Owner/operator country: US
Owner/operator telephone: 617-489-1400
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/03/2016
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/12/1990
Site name: W R GRACE & CO - CONN

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Classification: Large Quantity Generator

Date form received by agency: 06/22/1987
Site name: W R GRACE & CO CONST PROD DIV
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

SWEEPS UST:
Name: W R GRACE & CO
Address: 7237 E GAGE AVE
City: COMMERCE
Status: Active
Comp Number: 177
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

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

HIST UST:
Name: WR GRACE AND CO
Address: 7237 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
File Number: 00028600
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028600.pdf
Region: STATE
Facility ID: 00000061359
Facility Type: Not reported
Other Type: CONCRETE ADDITIVE
Contact Name: RICHARD MONTENEGRO
Telephone: 2139271461
Owner Name: W.R. GRACE & CO.
Owner Address: 7237 E. GAGE AVE.
Owner City,St,Zip: COMMERCE, CA 90040
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1963
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1963
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

TRIS:

Click this hyperlink while viewing on your computer to access
2 additional US_TRIS: record(s) in the EDR Site Report.

EMI:

Name:	W. R. GRACE & CO
Address:	7237 E GAGE AV
City,State,Zip:	COMMERCE, CA
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	6405
Air District Name:	SC
SIC Code:	2891
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

LOS ANGELES CO. HMS:

Name:	W R GRACE & CO
Address:	7237 E GAGE AVE
City,State,Zip:	COMMERCE, CA 900403812
Region:	LA
Permit Category:	I
Facility Id:	000176-I00177
Facility Type:	09
Facility Status:	Closed
Area:	3V
Permit Number:	000008603
Permit Status:	Closed

Name:	GCP APPLIED TECHNOLOGIES INC
Address:	7237 E GAGE AVE
City,State,Zip:	COMMERCE, CA 900403812
Region:	LA
Permit Category:	I
Facility Id:	000176-064094
Facility Type:	09
Facility Status:	Permit
Area:	3V
Permit Number:	000878747

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Permit Status: Permit

Name: W R GRACE & CO
Address: 7237 E GAGE AVE
City,State,Zip: COMMERCE, CA 900403812
Region: LA
Permit Category: S
Facility Id: 000176-048003
Facility Type: S6
Facility Status: Closed
Area: 3V
Permit Number: CGI009618
Permit Status: Closed

Name: W R GRACE & CO
Address: 7237 E GAGE AVE
City,State,Zip: COMMERCE, CA 900403812
Region: LA
Permit Category: Not reported
Facility Id: 000176-000177
Facility Type: Not reported
Facility Status: Removed
Area: 3V
Permit Number: Not reported
Permit Status: Not reported

NPDES:

Name:	GCP APPLIED TECHNOLOGIES INC
Address:	7237 EAST GAGE AVENUE
City,State,Zip:	LOS ANGELES, CA 90040
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	468163
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I026391
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/14/2016
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	62 Whittemore Avenue
Discharge Name:	GCP Applied Technologies Inc
Discharge City:	Cambriudge
Discharge State:	Massachusetts
Discharge Zip:	2140
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468163
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I026391
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/14/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	GCP Applied Technologies Inc
Discharge Address:	62 Whittemore Avenue
Discharge City:	Cambriudge
Discharge State:	Massachusetts
Discharge Zip:	2140
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468163
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I026391
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/29/2015
Processed Date:	01/14/2016
Status:	Active
Status Date:	01/14/2016
Place Size:	2
Place Size Unit:	Acres
Contact:	John Evelyn
Contact Title:	Operations Manager - West
Contact Phone:	526-927-8513
Contact Phone Ext:	2240
Contact Email:	John.D.Evelyn@grace.com
Operator Name:	GCP Applied Technologies Inc
Operator Address:	62 Whittemore Avenue
Operator City:	Cambriudge
Operator State:	Massachusetts
Operator Zip:	02140
Operator Contact:	John Evelyn
Operator Contact Title:	Operations Manager - West

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Operator Contact Phone:	562-927-8513
Operator Contact Phone Ext:	2240
Operator Contact Email:	John.D.Evelyn@grace.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	532-900-5051
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	County Of Los Angeles Storm Water Control Channel
Certifier:	John Evelyn
Certifier Title:	West Operations Manager
Certification Date:	29-DEC-15
Primary Sic:	2899-Chemicals and Chemical Preparations, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	GCP APPLIED TECHNOLOGIES INC
Address:	7237 EAST GAGE AVENUE
City,State,Zip:	LOS ANGELES, CA 90040
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:	4 19I026391
Regulatory Measure Type:	Industrial
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

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/14/2016
Operator Name:	GCP Applied Technologies Inc
Operator Address:	62 Whittemore Avenue
Operator City:	Cambriudge
Operator State:	Massachusetts
Operator Zip:	02140

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	468163
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I026391
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/14/2016
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	GCP Applied Technologies Inc
Discharge Address:	62 Whittemore Avenue
Discharge City:	Cambriudge
Discharge State:	Massachusetts
Discharge Zip:	2140
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	468163
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I026391
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	12/29/2015
Processed Date:	01/14/2016
Status:	Active
Status Date:	01/14/2016
Place Size:	2
Place Size Unit:	Acres

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Contact:	John Evelyn
Contact Title:	Operations Manager - West
Contact Phone:	526-927-8513
Contact Phone Ext:	2240
Contact Email:	John.D.Evelyn@grace.com
Operator Name:	GCP Applied Technologies Inc
Operator Address:	62 Whittemore Avenue
Operator City:	Cambriudge
Operator State:	Massachusetts
Operator Zip:	02140
Operator Contact:	John Evelyn
Operator Contact Title:	Operations Manager - West
Operator Contact Phone:	562-927-8513
Operator Contact Phone Ext:	2240
Operator Contact Email:	John.D.Evelyn@grace.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	532-900-5051
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	County Of Los Angeles Storm Water Control Channel
Certifier:	John Evelyn
Certifier Title:	West Operations Manager
Certification Date:	29-DEC-15
Primary Sic:	2899-Chemicals and Chemical Preparations, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

LA Co. Site Mitigation:

Name:	W.R. GRACE AND COMPANY
Address:	7237 E GAGE AVE
City,State,Zip:	COMMERCE, CA 90040
Facility ID:	FA0011766

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Status: Not reported
Site ID: SD0010143
Jurisdiction: Not reported
Case ID: RO0010143
Abated: Yes
Assigned To: Shahin Nourishad
Entered Date: Not reported
Abated Date: 09/27/1989

WDS:
Name: W R GRACE & CO - CPD
Address: 7237 E GAGE AVENUE
City: LOS ANGELES
Facility ID: 4 19I009618
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: W R GRACE & CO - CONN
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: GCP APPLIED TECHNOLOGIES INC

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Address:	7237 EAST GAGE AVENUE
City,State,Zip:	LOS ANGELES, CA 90040
Agency:	GCP Applied Technologies Inc
Agency Address:	62 Whittemore Avenue, Cambriudge, MA 02140
Place/Project Type:	Industrial - Chemicals and Chemical Preparations, NEC
SIC/NAICS:	2899
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I026391
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/14/2016
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	33.97435
Longitude:	-118.12763

CERS:

Name:	GCP APPLIED TECHNOLOGIES, INC
Address:	7237 EAST GAGE AVE
City,State,Zip:	LOS ANGELES, CA 90040
Site ID:	84003
CERS ID:	90040WRGRC7237E
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	Karen Ethier
Entity Title:	Vice President, EHSQ
Affiliation Address:	62 WHITTEMORE AVE
Affiliation City:	CAMBRIDGE
Affiliation State:	MA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported

Affiliation Type Desc:	Public Contact
Entity Name:	BRIAN O'CONNELL
Entity Title:	Not reported
Affiliation Address:	62 WHITTEMORE AVE
Affiliation City:	CAMBRIDGE
Affiliation State:	MA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	6174984594

Affiliation Type Desc:	Technical Contact
Entity Name:	BRIAN O'CONNELL

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Entity Title: Not reported
Affiliation Address: 62 WHITTEMORE AVE
Affiliation City: CAMBRIDGE
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 90040
Affiliation Phone: 6174984594

Affiliation Type Desc: Parent Company
Entity Name: GCP Applied Technologies Inc
Entity Title: Not reported
Affiliation Address: 62 WHITTEMORE AVE
Affiliation City: CAMBRIDGE
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 90040
Affiliation Phone: Not reported

Name: GCP APPLIED TECHNOLOGIES
Address: 7237 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 407005
CERS ID: 10281862
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 407005
Site Name: GCP Applied Technologies
Violation Date: 07-16-2014
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 12/01/2017. OBSERVATION: Upon review of the CERS online submittals, deficiencies were observed that require corrections and/or additions CORRECTIVE ACTION: Provide corrections to CERS Hazardous Materials inventory and resubmit.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2014
Violations Found: No
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: Compliance Evaluation Inspection
Eval Date: 07-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-10-2017
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: 12-01-2017
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

Enforcement Action:
Site ID: 407005
Site Name: GCP Applied Technologies
Site Address: 7237 E GAGE AVE
Site City: COMMERCE
Site Zip: 90040
Enf Action Date: 07-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Los Angeles County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 407005
Facility Name: GCP Applied Technologies
Env Int Type Code: HMBP
Program ID: 10281862
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.975040
Longitude: -118.127630

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

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7237 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	GCP Applied Technologies
Entity Title:	Not reported
Affiliation Address:	7237 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(617) 876-1400
Affiliation Type Desc:	Parent Corporation
Entity Name:	GCP Applied Technologies
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:	John D. Evelyn
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:	JOHN EVELYN
Entity Title:	Not reported
Affiliation Address:	7237 E GAGE AVE
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	JOHN EVELYN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (562) 927-8513

Name: GCP APPLIED TECHNOLOGIES INC
Address: 7237 EAST GAGE AVENUE
City,State,Zip: LOS ANGELES, CA 90040
Site ID: 532643
CERS ID: 843566
CERS Description: Industrial Facility Storm Water

Violations:
Site ID: 532643
Site Name: GCP Applied Technologies Inc
Violation Date: 03-03-2016
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SWPPP
Violation Notes: The SWPPP and MRP document was incomplete.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2016
Violations Found: Yes
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff conducted a compliance inspection at the site after staff visited the site in response to a NOT request from former company owner. At the site staff met with Mr. John D. Evelyn, Operations Manager- West Grace Construction Products of GCP Applied Technology, (562) 927-8513. The SWPPP and MRP document was reviewed. The document was incomplete. Certification was missing, the quantity of chemicals used at the site was not included and site map was missing information. Also, a description of sampling and analytical method was incomplete. A Notice to Comply was given for violation of section X of the IGP. The site was clean and organized. Totes with chemicals and empty totes were placed in containment areas outdoors. Staff recommended to keep them indoors. A review of laboratory results of storm water samples collected on January 5, 2016 storm event show exceedance of iron benchmark. A routine compliance inspection is recommended. Photos are attached.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2016
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: This inspection was conducted to evaluate the facility's compliance with the Stormwater Permit. The facility was in compliance at the time of the inspection. No further actions required at this time. See attached 6/7/16 Inspection Report for more details.
Eval Division: Water Boards

GCP APPLIED TECHNOLOGIES INC (Continued) **1000352276**

Eval Program: INDSTW
Eval Source: SMARTS

Enforcement Action:
Site ID: 532643
Site Name: GCP Applied Technologies Inc
Site Address: 7237 EAST GAGE AVENUE
Site City: LOS ANGELES
Site Zip: 90040
Enf Action Date: 03-03-2016
Enf Action Type: Notice to Comply
Enf Action Description: Notice to Comply
Enf Action Notes: The SWPPP and MRP document was incomplete. The document need to be revised according to section X of the IGP.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: GCP Applied Technologies Inc
Entity Title: Operator
Affiliation Address: 62 Whittemore Avenue
Affiliation City: Cambriudge
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 02140
Affiliation Phone: Not reported

E22 **HOSPITALITY WOOD PRODUCTS INC** **CERS HAZ WASTE** **S113138695**
NW **7206 E GAGE AVE** **HAZNET** **N/A**
< 1/8 **LOS ANGELES, CA 90040** **CERS**
0.112 mi.
593 ft. **Site 8 of 11 in cluster E**

Relative: Higher
Actual: 150 ft.

CERS HAZ WASTE:
Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 123274
CERS ID: 10280032
CERS Description: Hazardous Waste Generator

HAZNET:
Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: LOS ANGELES, CA 90040
Year: 2017
GEPAID: CAL000297685
Contact: MICHAEL ROMERO
Telephone: 5628065564
Mailing Name: Not reported
Mailing Address: 7206 E GAGE AVE
Mailing City,St,Zip: COMMERCE, CA 900400000
Gen County: Los Angeles

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

TSD EPA ID: NVT330010000
TSD County: 99
Tons: 0.075
CA Waste Code: 352-Other organic solids
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: LOS ANGELES, CA 90040
Year: 2017
GEPAID: CAL000297685
Contact: MICHAEL ROMERO
Telephone: 5628065564
Mailing Name: Not reported
Mailing Address: 7206 E GAGE AVE
Mailing City,St,Zip: COMMERCE, CA 900400000
Gen County: Los Angeles
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Tons: 0.33
CA Waste Code: 212-Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: LOS ANGELES, CA 90040
Year: 2016
GEPAID: CAL000297685
Contact: MICHAEL ROMERO
Telephone: 5628065564
Mailing Name: Not reported
Mailing Address: 7206 E GAGE AVE
Mailing City,St,Zip: COMMERCE, CA 900400000
Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99
Tons: 0.198
CA Waste Code: 214-Unspecified solvent mixture
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: LOS ANGELES, CA 90040
Year: 2015
GEPAID: CAL000297685
Contact: MICHAEL ROMERO
Telephone: 5628065564
Mailing Name: Not reported
Mailing Address: 7206 E GAGE AVE
Mailing City,St,Zip: COMMERCE, CA 900400000
Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

Tons: 0.075
CA Waste Code: 352-Other organic solids
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: LOS ANGELES, CA 90040
Year: 2015
GEPAID: CAL000297685
Contact: MICHAEL ROMERO
Telephone: 5628065564
Mailing Name: Not reported
Mailing Address: 7206 E GAGE AVE
Mailing City,St,Zip: COMMERCE, CA 900400000
Gen County: Los Angeles
TSD EPA ID: ARD981057870
TSD County: 99
Tons: 0.1802
CA Waste Code: 343-Unspecified organic liquid mixture
Method: H061-Fuel Blending Prior To Energy Recovery At Another Site
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

CERS:
Name: HOSPITALITY WOOD PRODUCTS INC
Address: 7206 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 123274
CERS ID: 10280032
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 123274
Site Name: HOSPITALITY WOOD PRODUCTS INC
Violation Date: 09-13-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to 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 09/13/2017. 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. Assisted person in charge with the completion of the submittal.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 123274
Site Name: HOSPITALITY WOOD PRODUCTS INC
Violation Date: 06-16-2014

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

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 10/07/2014. OBSERVATION: [Describe containers and what information was missing]. All hazardous waste containers shall be marked with the following information: 1) the words ?Hazardous Waste?; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. - Observed missing labels to drums of waste paint and waste solids (filters and rags). 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:	123274
Site Name:	HOSPITALITY WOOD PRODUCTS INC
Violation Date:	09-13-2017
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 06/18/2019. OBSERVATION: Observed 55 gallon drums of paint waste solvents located in the paint booth room was observed without a clear 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:	123274
Site Name:	HOSPITALITY WOOD PRODUCTS INC
Violation Date:	09-13-2017
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 hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 06/18/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Observed: (a) portable tanks of compliant adhesive not reported on CERS (b) 1 x 55 gallon drum of acetone not repoted on CERS (c) 2 x 55 gallon drums of waste solvent solids not reported on CERS (d) 1 x 55 gallon drum of waste solvent liquid not reported on CERS 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

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	123274
Site Name:	HOSPITALITY WOOD PRODUCTS INC
Violation Date:	06-16-2014
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 10/07/2014. OBSERVATION: The owner/operator failed to electronically submit a corrected business plan within 30 days from the date of the notice from the unified program agency. - Review of CERS revealed that the operator has to correct the Business Facility Information section and complete the Hazardous Materials Inventory and Emergency Response/Training Plan sections. CORRECTIVE ACTION: Make all necessary corrections to CERS submittals by 07/16/14].HSC 25508(a)(2)
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	123274
Site Name:	HOSPITALITY WOOD PRODUCTS INC
Violation Date:	09-13-2017
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 09/13/2017. OBSERVATION: The generator'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 active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have reactivated the facility's EPA ID number. Operator completed and submitted EPA ID renewal form.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	123274
Site Name:	HOSPITALITY WOOD PRODUCTS INC
Violation Date:	06-16-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 10/07/2014. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. - Observed an unlabeled drum of clean acetone. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	02-26-2019
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:	06-16-2014
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:	06-16-2014
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:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Raul Mascorro, Purchaser
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Raul Mascorro, Purchaser
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-07-2014
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:	10-07-2014

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

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

Enforcement Action:

Site ID:	123274
Site Name:	HOSPITALITY WOOD PRODUCTS INC
Site Address:	7206 E GAGE AVE
Site City:	COMMERCE
Site Zip:	90040
Enf Action Date:	06-16-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Los Angeles County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	123274
Facility Name:	HOSPITALITY WOOD PRODUCTS INC
Env Int Type Code:	HWG
Program ID:	10280032
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.974120
Longitude:	-118.128100

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Michael Romero
Entity Title:	Company President
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:	Hospitality Wood Products, Inc
Entity Title:	Not reported
Affiliation Address:	7206 E Gage Ave
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(562) 806-5564

Affiliation Type Desc:	Operator
Entity Name:	Michael Romero
Entity Title:	Not reported
Affiliation Address:	Not reported

HOSPITALITY WOOD PRODUCTS INC (Continued) **S113138695**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 806-5564
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) 890-4045
Affiliation Type Desc:	Document Preparer
Entity Name:	Michael Romero
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:	Worldwide Waste Management, Inc
Entity Title:	Not reported
Affiliation Address:	2621 Green River Road
Affiliation City:	Corona
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92882
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7206 E Gage Ave
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	HOSPITALITY WOOD PRODUCTS 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

E23 **HOSPITALITY WOOD PRODUCTS INC** **RCRA NonGen / NLR** **1024812009**
NW **7206 E GAGE AVE** **CAL000297685**
< 1/8 **LOS ANGELES, CA 90040**
0.112 mi.
593 ft. **Site 9 of 11 in cluster E**

Relative:
Higher

Actual:
150 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/18/2005
Facility name:	HOSPITALITY WOOD PRODUCTS INC
Facility address:	7206 E GAGE AVE LOS ANGELES, CA 90040
EPA ID:	CAL000297685
Contact:	MICHAEL ROMERO
Contact address:	7206 E GAGE AVE COMMERCE, CA 90040
Contact country:	Not reported
Contact telephone:	562-806-5564
Contact email:	HWPRAUL@OUTLOOK.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MICHAEL ROMERO
Owner/operator address:	7206 E GAGE AVE COMMERCE, CA 90040
Owner/operator country:	Not reported
Owner/operator telephone:	562-806-5564
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MICHAEL A ROMERO
Owner/operator address:	7206 E GAGE AVE LOS ANGELES, CA 90040
Owner/operator country:	Not reported
Owner/operator telephone:	562-806-5564
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

HOSPITALITY WOOD PRODUCTS INC (Continued) **1024812009**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

E24 **GENUINE PARTS DISTRIBUTOR** **CERS HAZ WASTE** **U003061075**
NW **7215 E GAGE AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **COMMERCE, CA 90040** **CERS**
0.130 mi.
686 ft. **Site 10 of 11 in cluster E**

Relative: Higher
Actual: 150 ft.

CERS HAZ WASTE:
Name: TOUCH LITHO CO
Address: 7215 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 162856
CERS ID: 10275361
CERS Description: Hazardous Waste Generator

LOS ANGELES CO. HMS:
Name: GENUINE PARTS DISTRIBUTOR
Address: 7215 E GAGE AVE
City,State,Zip: COMMERCE, CA 900403812
Region: LA
Permit Category: I
Facility Id: 004955-I05337
Facility Type: 01
Facility Status: Permit
Area: 3V
Permit Number: 000009922
Permit Status: Suspended

CERS:
Name: TOUCH LITHO CO
Address: 7215 E GAGE AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 162856
CERS ID: 10275361
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 162856
Site Name: TOUCH LITHO CO
Violation Date: 10-09-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to 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 11/24/2015. 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

GENUINE PARTS DISTRIBUTOR (Continued) **U003061075**

	submit electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	10-09-2015
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 11/24/2015. OBSERVATION: A business plan has not been received by the CUPA. The facility was previously sent a notice/request from the CUPA for the submittal of a business plan. 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:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	10-09-2015
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 11/24/2015. OBSERVATION: The annotated site map has not been completed and submitted to the CUPA. Ensure that the site map includes all required elements. 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:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	03-07-2019
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:	OBSERVATION: A 55 gallon drum of UV waste (liquid) 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

GENUINE PARTS DISTRIBUTOR (Continued) **U003061075**

Site ID:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	10-09-2015
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 12/03/2015. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words ?Hazardous Waste?; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed 5 x 55 gallon drums containing solvent waste, 2 x 30 gallon drums containing ink waste, 1 x 55 gallon drum used oil and 1 x 55 gallon drum containing acetone waste without the required hazardous waste labels/information on hazardous waste labels. 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:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	10-09-2015
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 11/24/2015. OBSERVATION: The Business Activities page has not been submitted to this department. CORRECTIVE ACTION: Complete the Business Activities page 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:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	03-07-2019
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:	OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. The new Federal Hazard Categories on reported chemicals are not applied in the facility's Hazardous Materials Inventory. 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

GENUINE PARTS DISTRIBUTOR (Continued) **U003061075**

Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	03-07-2019
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	OBSERVATION: The adhesive/water waste located in the finishing area was observed being accumulated and a proper waste determination has not been made. The adhesive/water waste is generated from flushing the assembly unit, adhesive utilized is GSA-405W Adhesive. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the adhesive and water waste has been properly characterized to determine if it is a hazardous waste. If determined to be hazardous submit a manifest/receipt documenting proper disposal and a statement demonstrating how you will manage it in the future.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	10-09-2015
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 hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/24/2015. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for the following to the CUPA - 1) 11 x 55 gallon drums gloss coating. 2) 3 x 30 gallon fiber drums gloss coating. 3) 4 x 8 gallon propane tanks. 4) 1 x 55 gallon K-Press oil. 5) 1 x 55 gallon fountain solution. 6) 7 x 55 gallon aqueous coating (warehouse). 7) 1 x 55 gallon K UV wash. 8) 1 x 55 gallon Gans Low wash. 9) 5 x 55 gallon drums solvent waste. 10) 1 x 55 gallon used oil. 11) 1 x 55 gallon acetone waste. 12) 2 x 30 gallon ink waste. 13) 800 lbs. of various inks. 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
Site ID:	162856
Site Name:	TOUCH LITHO CO
Violation Date:	03-07-2019
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

GENUINE PARTS DISTRIBUTOR (Continued) **U003061075**

	date.
Violation Notes:	OBSERVATION: The 55 gallon container of UV waste (liquid) located by the UV Press and the 2, 55 gallon drums of paint waste located at the rear storage area were observed without hazardous waste labels. 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

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Jimmy Magpayo, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-07-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Jimmy Magpayo, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Jimmy Magpayo, Manager.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-09-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Jimmy Magpayo, Manager.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	11-24-2015
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

GENUINE PARTS DISTRIBUTOR (Continued) **U003061075**

Eval Date:	11-24-2015
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:	162856
Facility Name:	TOUCH LITHO CO
Env Int Type Code:	HWG
Program ID:	10275361
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.974570
Longitude:	-118.128200

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	MICHAEL WU
Entity Title:	Not reported
Affiliation Address:	7215 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Jimmy Magpayo
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:	Parent Corporation
Entity Name:	TOUCH LITHO CO
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:	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

GENUINE PARTS DISTRIBUTOR (Continued) **U003061075**

Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7215 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	JIMMY MAGPAYO
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
Entity Name:	TOUCH LITHO CO
Entity Title:	Not reported
Affiliation Address:	7215 E GAGE AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(562) 927-8899
Affiliation Type Desc:	Operator
Entity Name:	MICHAEL WU
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:	(562) 927-8899

E25 **SNOW MANUFACTURING** **RCRA-LQG** **1000434835**
NW **7215 1/2 GAGE AVE** **CAD009696212**
1/8-1/4 **LOS ANGELES, CA 90040**
0.130 mi.
686 ft. **Site 11 of 11 in cluster E**

Relative: **Higher**
Actual: **150 ft.**

RCRA-LQG:

Date form received by agency:	08/06/2010
Facility name:	SNOW MANUFACTURING
Facility address:	7215 1/2 GAGE AVE LOS ANGELES, CA 90040
EPA ID:	CAD009696212
Mailing address:	SOUTH CAPITOL AVE WHITTIER, CA 90601

SNOW MANUFACTURING (Continued) **1000434835**

Contact:	WILLIAM GRUNSWALD
Contact address:	SOUTH CAPITOL AVE WHITTIER, CA 90601
Contact country:	US
Contact telephone:	562-478-1168
Contact email:	BGRUNSWALD@TRACYIND.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	WILLIAM GRUNSWALD
Owner/operator address:	Not reported CA 90601
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/02/2007
Owner/Op end date:	Not reported

Owner/operator name:	ALMA PRODUCTS COMPANY
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SNOW MANUFACTURING
Owner/operator address:	SOUTH CAPITOL AVE WHITTIER, CA 90601
Owner/operator country:	Not reported
Owner/operator telephone:	562-478-1168
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

SNOW MANUFACTURING (Continued) **1000434835**

Owner/Operator Type: Owner
Owner/Op start date: 04/02/2007
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: SNOW MANUFACTURING CO INC
Classification: Small Quantity Generator

Date form received by agency: 08/18/1980
Site name: SNOW MANUFACTURING CO INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

SNOW MANUFACTURING (Continued) **1000434835**

Violation Status: No violations found

F26
NNE
1/8-1/4
0.144 mi.
762 ft.

MOBIL OIL SS #11-EQL
7724 E TELEGRAPH RD
COMMERCE, CA 90040

SWEEPS UST **S101583711**
HIST UST **N/A**
CA FID UST

Site 1 of 15 in cluster F

Relative: Higher

Actual: 159 ft.

SWEEPS UST:

Name:	MOBIL OIL SS #11-EQL
Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active
Comp Number:	94
Number:	1
Board Of Equalization:	44-000400
Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000094-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	12

Name:	MOBIL OIL SS #11-EQL
Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active
Comp Number:	94
Number:	1
Board Of Equalization:	44-000400
Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89
Owner Tank Id:	2
SWRCB Tank Id:	19-000-000094-000002
Tank Status:	A
Capacity:	10000
Active Date:	07-16-91
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	MOBIL OIL SS #11-EQL
Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active
Comp Number:	94
Number:	1
Board Of Equalization:	44-000400
Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89

MOBIL OIL SS #11-EQL (Continued) **S101583711**

Owner Tank Id: 3
SWRCB Tank Id: 19-000-000094-000003
Tank Status: A
Capacity: 8000
Active Date: 07-16-91
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: MOBIL OIL SS #11-EQL
Address: 7724 E TELEGRAPH RD
City: COMMERCE
Status: Active
Comp Number: 94
Number: 1
Board Of Equalization: 44-000400
Referral Date: 07-16-91
Action Date: 07-16-91
Created Date: 06-30-89
Owner Tank Id: 4
SWRCB Tank Id: 19-000-000094-000004
Tank Status: A
Capacity: 6000
Active Date: 07-16-91
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: MOBIL OIL SS #11-EQL
Address: 7724 E TELEGRAPH RD
City: COMMERCE
Status: Active
Comp Number: 94
Number: 1
Board Of Equalization: 44-000400
Referral Date: 07-16-91
Action Date: 07-16-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000094-000005
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: MOBIL OIL SS #11-EQL
Address: 7724 E TELEGRAPH RD
City: COMMERCE
Status: Active
Comp Number: 94
Number: 1
Board Of Equalization: 44-000400

MOBIL OIL SS #11-EQL (Continued) **S101583711**

Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000094-000006
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:	MOBIL OIL SS #11-EQL
Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active
Comp Number:	94
Number:	1
Board Of Equalization:	44-000400
Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000094-000007
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:	MOBIL OIL SS #11-EQL
Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active
Comp Number:	94
Number:	1
Board Of Equalization:	44-000400
Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000094-000008
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:	MOBIL OIL SS #11-EQL
Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active

MOBIL OIL SS #11-EQL (Continued) **S101583711**

Comp Number: 94
Number: 1
Board Of Equalization: 44-000400
Referral Date: 07-16-91
Action Date: 07-16-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000094-000009
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: MOBIL OIL SS #11-EQL
Address: 7724 E TELEGRAPH RD
City: COMMERCE
Status: Active
Comp Number: 94
Number: 1
Board Of Equalization: 44-000400
Referral Date: 07-16-91
Action Date: 07-16-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000094-000010
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: MOBIL OIL SS #11-EQL
Address: 7724 E TELEGRAPH RD
City: COMMERCE
Status: Active
Comp Number: 94
Number: 1
Board Of Equalization: 44-000400
Referral Date: 07-16-91
Action Date: 07-16-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-000094-000011
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: MOBIL OIL SS #11-EQL

MOBIL OIL SS #11-EQL (Continued) **S101583711**

Address:	7724 E TELEGRAPH RD
City:	COMMERCE
Status:	Active
Comp Number:	94
Number:	1
Board Of Equalization:	44-000400
Referral Date:	07-16-91
Action Date:	07-16-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-000094-000012
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:	A AHMED
Address:	7724 TELEGRAPH
City,State,Zip:	COMMERCE, CA 90022
File Number:	00027DFA
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027DFA.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
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19005668
Regulated By:	UTNKA
Regulated ID:	00040018
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	3800 W ALAMEDA AVE

MOBIL OIL SS #11-EQL (Continued) **S101583711**

Mailing Address 2: Not reported
Mailing City,St,Zip: COMMERCE 90040
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

F27 **A. AHMED** **HIST UST** **U001560916**
NNE **7724 TELEGRAPH RD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022**
0.144 mi.
762 ft. **Site 2 of 15 in cluster F**

Relative: **Higher**

Actual: **159 ft.**

HIST UST:
Name: A. AHMED
Address: 7724 TELEGRAPH RD
City,State,Zip: LOS ANGELES, CA 90022
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000040018
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2137283889
Owner Name: MOBIL OIL CORP
Owner Address: 612 S. FLOWER ST
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 4
Year Installed: 1971
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1971
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported

A. AHMED (Continued) **U001560916**

Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 2
Year Installed: 1971
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

F28 **MOBIL #18-EQL (FORMER #11** **HIST CORTESE** **S102433543**
NNE **7724 TELEGRAPH** **N/A**
1/8-1/4 **LOS ANGELES, CA 90040**
0.144 mi.
762 ft. **Site 3 of 15 in cluster F**

Relative:
Higher

Actual:
159 ft.

HIST CORTESE:
edr_fname: MOBIL #18-EQL (FORMER #11
edr_fadd1: 7724 TELEGRAPH
City,State,Zip: LOS ANGELES, CA 90040
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900400116

F29 **MOBIL #18-EQL (FORMER #11-EQL)** **LUST** **S103281813**
NNE **7724 TELEGRAPH RD E** **CERS** **N/A**
1/8-1/4 **COMMERCE, CA 90040**
0.144 mi.
762 ft. **Site 4 of 15 in cluster F**

Relative:
Higher

Actual:
159 ft.

LUST:
Name: MOBIL #18-EQL FORMER
Address: 7724 TELEGRAPH RD E
City,State,Zip: COMMERCE, CA 90040
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700984
Global Id: T0603700984
Latitude: 33.9753780457651
Longitude: -118.124399185181
Status: Completed - Case Closed
Status Date: 01/20/2011
Case Worker: NB
RB Case Number: 900400116
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700984
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603700984
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:
Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2009
Action: Remedial Progress Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2010
Action: Conceptual Site Model

Global Id: T0603700984

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Action Type: ENFORCEMENT
Date: 11/26/2002
Action: Staff Letter

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 06/28/2002
Action: Staff Letter

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 08/06/2001
Action: 13267 Requirement

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 02/20/2003
Action: Staff Letter

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2009
Action: Conceptual Site Model

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2003
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 06/15/2002

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Action:	Soil and Water Investigation Report
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	01/31/2003
Action:	Corrective Action Plan / Remedial Action Plan
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700984
Action Type:	ENFORCEMENT
Date:	01/20/2011
Action:	Closure/No Further Action Letter
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	04/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	04/15/2003
Action:	Soil and Water Investigation Report
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	07/15/2003
Action:	Monitoring Report - Quarterly
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	07/15/2010
Action:	Conceptual Site Model
Global Id:	T0603700984
Action Type:	RESPONSE
Date:	04/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0603700984
Action Type:	ENFORCEMENT
Date:	06/30/2004
Action:	Staff Letter

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 01/30/2004
Action: Staff Letter

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 12/08/2010
Action: Notification - Preclosure

Global Id: T0603700984
Action Type: Other
Date: 03/28/1995
Action: Leak Discovery

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2004
Action: Remedial Progress Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2003
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2003
Action: Remedial Progress Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2004
Action: Interim Remedial Action Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: ENFORCEMENT

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Date: 11/16/2010
Action: Site Visit / Inspection / Sampling

Global Id: T0603700984
Action Type: Other
Date: 05/01/1995
Action: Leak Stopped

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2004
Action: Remedial Progress Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 03/30/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2007
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: REMEDIATION
Date: 06/07/2005
Action: Soil Vapor Extraction (SVE)

Global Id: T0603700984
Action Type: REMEDIATION
Date: 05/18/2002
Action: Free Product Removal

Global Id: T0603700984
Action Type: Other
Date: 07/10/1995
Action: Leak Reported

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2007
Action: Soil and Water Investigation Report

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: ENFORCEMENT
Date: 05/20/2009
Action: Staff Letter

Global Id: T0603700984
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603700984
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603700984
Action Type: RESPONSE
Date: 01/15/2008
Action: Soil and Water Investigation Report

Global Id: T0603700984
Action Type: RESPONSE

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Date: 07/15/2007
Action: Soil and Water Investigation Report

LUST:
Global Id: T0603700984
Status: Open - Case Begin Date
Status Date: 03/28/1995

Global Id: T0603700984
Status: Open - Site Assessment
Status Date: 03/28/1995

Global Id: T0603700984
Status: Open - Site Assessment
Status Date: 07/10/2001

Global Id: T0603700984
Status: Open - Remediation
Status Date: 01/31/2003

Global Id: T0603700984
Status: Open - Remediation
Status Date: 04/15/2004

Global Id: T0603700984
Status: Open - Site Assessment
Status Date: 04/15/2004

Global Id: T0603700984
Status: Open - Remediation
Status Date: 05/20/2009

Global Id: T0603700984
Status: Open - Verification Monitoring
Status Date: 12/08/2010

Global Id: T0603700984
Status: Completed - Case Closed
Status Date: 01/20/2011

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900400116
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700984
W Global ID: Not reported
Staff: NB
Local Agency: 19000

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

Cross Street:	SLAUSON AVE	
Enforcement Type:	DLSEL	
Date Leak Discovered:	3/28/1995	
Date Leak First Reported:		7/10/1995
Date Leak Record Entered:	10/25/1995	
Date Confirmation Began:	3/28/1995	
Date Leak Stopped:	5/1/1995	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	Subsurface Monitoring	
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):		1469.428645152241962757923120 5
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		3/28/1995
Preliminary Site Assessment Began:		3/28/1995
Pollution Characterization Began:		4/15/2004
Remediation Plan Submitted:		1/31/2003
Remedial Action Underway:		4/15/2004
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		3/14/2001
Historical Max MTBE Date:		7/12/2003
Hist Max MTBE Conc in Groundwater:		52
Hist Max MTBE Conc in Soil:		17000
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	=	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MR. NICK PUIG	
RP Address:	3700 190TH ST.	
Program:	LUST	
Lat/Long:	33.9753016 / -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:	OFFSITE WELL HAS FP. LIMITED SOIL/GW CONTAMINATION, STAFF MENO 6/10/97.; 7/12/00 2ND QTR GW MON RPT 2000; 10/3/00 3RD QTR GW MON RPT 2000; 1/11/01 4TH QTR GW MON RPT 2000; 3/23/01 1ST QTR GW MON RPT 2001	

CERS:

Name:	MOBIL #18-EQL FORMER
Address:	7724 TELEGRAPH RD E
City,State,Zip:	COMMERCE, CA 90040
Site ID:	190563
CERS ID:	T0603700984
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker

MOBIL #18-EQL (FORMER #11-EQL) (Continued) **S103281813**

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:	NHAN BAO - 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:	2135766703

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ENE
1/8-1/4
0.152 mi.
800 ft.

STATE OF CA HWY RD MAINT AKA CALTRANS DU
7840 TELEGRAPH RD.
COMMERCE, CA

SWF/LF **S102360819**
LDS **N/A**
CERS

Relative:
Higher

Actual:
151 ft.

SWF/LF (SWIS):

Name:	STATE OF CA HWY RD MAINT AKA CALTRANS DU
Address:	7840 TELEGRAPH RD.
City,State,Zip:	COMMERCE, CA
Facility ID:	19-AA-5556
Lat/Long:	33.9731 / -118.1215
Owner Name:	Bank Of California
Owner Telephone:	2132433430
Owner Address:	Not reported
Owner Address2:	550 So. Hope St.
Owner City,St,Zip:	Los Angeles, CA 90071
Operational Status:	Closed
Operator:	Caltrans
Operator Phone:	2138970458
Operator Address:	Not reported
Operator Address2:	120 S. Spring St.
Operator City,St,Zip:	Los Angles, CA 90012
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Solid Waste Disposal Site
Regulation Status:	Unpermitted
Landuse Name:	Residential,Industrial,Commercial
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Mixed municipal
Closure Date:	06/20/1974
Closure Type:	Actual
Disposal Acreage:	$2.00
SWIS Num:	19-AA-5556

STATE OF CA HWY RD MAINT AKA CALTRANS DU (Continued) **S102360819**

Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 33.9731 / -118.1215

LDS:
Name: CALTRANS COMMERCE
Address: 7840 TELEGRAPH ROAD
City,State,Zip: COMMERCE, CA

Global Id: T10000009377
Latitude: 33.97356
Longitude: -118.1227
Case Type: Land Disposal Site
Status: Completed - Case Closed
Status Date: 09/14/2016
Lead Agency: Not reported
Caseworker: Not reported
Local Agency: Not reported
RB Case Number: RB170
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: T10000009377
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CERS:
Name: STATE OF CA HWY RD MAINT AKA CALTRANS DU
Address: 7840 TELEGRAPH RD.
City,State,Zip: COMMERCE, CA
Site ID: 512113
CERS ID: 19-AA-5556
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: Caltrans
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Los Angles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: 2138970458

Affiliation Type Desc: Legal Owner
Entity Name: Bank Of California
Entity Title: Not reported
Affiliation Address: Not reported

STATE OF CA HWY RD MAINT AKA CALTRANS DU (Continued) **S102360819**

Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90071
Affiliation Phone: 2132433430

Name: CALTRANS COMMERCE
Address: 7840 TELEGRAPH ROAD
City,State,Zip: COMMERCE, CA
Site ID: 408438
CERS ID: T10000009377
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: Wen Yang - 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: 2136202253

G31 **JOHNSON-PELTIER INC** **LUST** **U002287357**
NNW **7654 SLAUSON AVE E** **HIST CORTESE** **N/A**
1/8-1/4 **COMMERCE, CA 90040** **LOS ANGELES CO. HMS**
0.160 mi. **CERS**
844 ft. **Site 1 of 9 in cluster G**

Relative:
Higher

Actual:
158 ft.

LUST:
Name: JOHNSON-PELTIER INC
Address: 7654 SLAUSON AVE E
City,State,Zip: COMMERCE, CA 90040
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704225
Global Id: T0603704225
Latitude: 33.975702
Longitude: -118.127282
Status: Completed - Case Closed
Status Date: 02/09/1990
Case Worker: JOA
RB Case Number: I-14933
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: T0603704225
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE

JOHNSON-PELTIER INC (Continued) **U002287357**

City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704225
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: T0603704225
Action Type: Other
Date: 02/09/1990
Action: Leak Reported

LUST:
Global Id: T0603704225
Status: Completed - Case Closed
Status Date: 02/09/1990

Global Id: T0603704225
Status: Open - Case Begin Date
Status Date: 02/09/1990

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14933
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: T0603704225
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: GAGE AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 2/9/1990
Date Leak Record Entered: 2/5/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 2/16/1990
Date the Case was Closed: 2/9/1990
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported

JOHNSON-PELTIER INC (Continued) **U002287357**

Leak Source:	Not reported
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	2218.33439215808373259687199 33
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:	JOHNSON-PELTIER, INC.
RP Address:	7654 E SLAUSON AVE, CITY OF COMMERCE, CA 90040
Program:	LUST
Lat/Long:	33.9758606 / -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

HIST CORTESE:

edr_fname:	JOHNSON-PELTIER INC
edr_fadd1:	7654 SLAUSON
City,State,Zip:	LOS ANGELES, CA 90040
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-14933

LOS ANGELES CO. HMS:

Name:	JOHNSON-PELTIER INC
Address:	7654 E SLAUSON AVE
City,State,Zip:	COMMERCE, CA 90040
Region:	LA
Permit Category:	Not reported
Facility Id:	014355-014933
Facility Type:	Not reported
Facility Status:	Removed
Area:	3V
Permit Number:	Not reported
Permit Status:	Not reported

JOHNSON-PELTIER INC (Continued) **U002287357**

CERS:
- Name: AT&T MOBILITY - SLAUSON/5 FWY (USID12169)
- Address: 7654 E SLAUSON AVE
- City,State,Zip: LOS ANGELES, CA 90040
- Site ID: 436243
- CERS ID: 10404247
- CERS Description: Chemical Storage Facilities

Evaluation:
- Eval General Type: Compliance Evaluation Inspection
- Eval Date: 06-10-2016
- Violations Found: No
- Eval Type: Routine done by local agency
- Eval Notes: Consent to do inspection was given by Robert Fields
- Eval Division: Los Angeles County Fire Department
- Eval Program: HMRRP
- Eval Source: CERS

Coordinates:
- Site ID: 436243
- Facility Name: AT&T Mobility - SLAUSON/5 FWY (USID12169)
- Env Int Type Code: HMBP
- Program ID: 10404247
- Coord Name: Not reported
- Ref Point Type Desc: Center of a facility or station.
- Latitude: 33.975680
- Longitude: -118.127270

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) 890-4045

- Affiliation Type Desc: Facility Mailing Address
- Entity Name: Mailing Address
- Entity Title: Not reported
- Affiliation Address: 308 S. Akard St., 17th Floor
- Affiliation City: Dallas
- Affiliation State: TX
- Affiliation Country: Not reported
- Affiliation Zip: 75202
- Affiliation Phone: Not reported

- Affiliation Type Desc: Identification Signer
- Entity Name: Jeremy McGrue
- Entity Title: National EPCRA Manager
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported

JOHNSON-PELTIER INC (Continued) **U002287357**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Mobility
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:	NEW CINGULAR WIRELESS PCS, LLC
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St. 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Operator
Entity Name:	AT&T Mobility
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:	(562) 274-3282
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, 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:	Environmental Contact
Entity Name:	Robert Fields
Entity Title:	Not reported
Affiliation Address:	12900 Park Plaza Dr., 4th-Floor, C#35
Affiliation City:	Cerritos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90703
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Crown Castle International
Entity Title:	Not reported
Affiliation Address:	1220 Augusta Dr # 500

JOHNSON-PELTIER INC (Continued) **U002287357**

Affiliation City: Houston
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 77057
Affiliation Phone: (713) 570-3000

Name: JOHNSON-PELTIER INC
Address: 7654 SLAUSON AVE E
City,State,Zip: COMMERCE, CA 90040
Site ID: 251824
CERS ID: T0603704225
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

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32 **GAGE AND GREENWOOD** **WMUDS/SWAT** **S103441443**
West **GAGE & GREENWOOD** **N/A**
1/8-1/4 **BELL GARDENS, CA**
0.161 mi.
852 ft.

Relative: **Lower**
Actual: **147 ft.**

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported

GAGE AND GREENWOOD (Continued) **S103441443**

Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190189NUR
Solid Waste Information ID:	Not reported

F33 **EPSTEINS MUFFLER & AUTO RESTORATION** **CERS HAZ WASTE** **S113141428**
NNE **7803 TELEGRAPH RD # N** **HAZNET** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640**
0.163 mi.
862 ft. **Site 5 of 15 in cluster F**

Relative:
Higher

Actual:
157 ft.

CERS HAZ WASTE:

Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Address:	7803 TELEGRAPH RD # N
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	114759
CERS ID:	10303051
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	114759
Site Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Violation Date:	03-27-2014
Citation:	19 CCR 4 2729.2(a)(1) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(1)
Violation Description:	Owner/Operator failed to complete and/or submit the Business

EPSTEINS MUFFLER & AUTO RESTORATION (Continued) **S113141428**

Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 04/21/2015. #45. Log on the California Environmental Reporting System (CERS) to complete the forms under the ?BUSINESS ACTIVITIES? and ?OWNER IDENTIFICATION? sections. These forms have not been completed. (HSC25508)
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 114759
Site Name: EPSTEINS MUFFLER & AUTO RESTORATION
Violation Date: 07-19-2018
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 03/06/2019. OBSERVATION: 30 gallon Metal drum of used oil located in the rear of building was observed without hazardous waste label: CORRECTIVE ACTION: Submit photos 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

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 03-06-2019
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: 03-27-2014
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: 04-21-2015
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

EPSTEINS MUFFLER & AUTO RESTORATION (Continued) **S113141428**

Eval Date: 07-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Joe Epstein, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 114759
Site Name: EPSTEINS MUFFLER & AUTO RESTORATION
Site Address: 7803 TELEGRAPH RD # N
Site City: MONTEBELLO
Site Zip: 90640
Enf Action Date: 03-27-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Los Angeles County Fire Department
Enf Action Program: HW
Enf Action 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) 890-4045

Affiliation Type Desc: Document Preparer
Entity Name: JOSEPH EPSTEIN
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: Property Owner
Entity Name: JOSEPH M EPSTEIN
Entity Title: Not reported
Affiliation Address: 7803 TELEGRAH ROAD, STE. N
Affiliation City: Montebello,
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90640
Affiliation Phone: (323) 724-4110

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

EPSTEINS MUFFLER & AUTO RESTORATION (Continued) **S113141428**

Affiliation Address:	7803 Telegraph Road, Ste N
Affiliation City:	Montebello,
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	90640
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	JOSEPH EPSTEIN
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:	Legal Owner
Entity Name:	JOSEPH M EPSTEIN
Entity Title:	Not reported
Affiliation Address:	7803 TELEGRAPH ROAD, STE N
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 724-4110
Affiliation Type Desc:	Operator
Entity Name:	Joseph Epstein
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) 724-4110
Affiliation Type Desc:	Parent Corporation
Entity Name:	EPSTEINS MUFFLER & AUTO RESTORATION
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:	JOSEPH M EPSTEIN
Entity Title:	Not reported
Affiliation Address:	7803 Telegraph Road, Ste N
Affiliation City:	Montebello,
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90640
Affiliation Phone:	Not reported

EPSTEINS MUFFLER & AUTO RESTORATION (Continued) **S113141428**

HAZNET:

Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Address:	7803 TELEGRAPH RD STE N-P
City,State,Zip:	MONTEBELLO, CA 906406530
Year:	2016
GEPAID:	CAL000304106
Contact:	JOE EPSTEIN
Telephone:	3237244110
Mailing Name:	Not reported
Mailing Address:	7803 TELEGRAPH RD #N
Mailing City,St,Zip:	MONTEBELLO, CA 906406530
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	0.133
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Address:	7803 TELEGRAPH RD STE N-P
City,State,Zip:	MONTEBELLO, CA 906406530
Year:	2015
GEPAID:	CAL000304106
Contact:	JOE EPSTEIN
Telephone:	3237244110
Mailing Name:	Not reported
Mailing Address:	7803 TELEGRAPH RD #N
Mailing City,St,Zip:	MONTEBELLO, CA 906406530
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.133
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Address:	7803 TELEGRAPH RD STE N-P
City,State,Zip:	MONTEBELLO, CA 906406530
Year:	2013
GEPAID:	CAL000304106
Contact:	JOE EPSTEIN
Telephone:	3237244110
Mailing Name:	Not reported
Mailing Address:	7803 TELEGRAPH RD #N
Mailing City,St,Zip:	MONTEBELLO, CA 906406530
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.076
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

EPSTEINS MUFFLER & AUTO RESTORATION (Continued) **S113141428**

Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Address:	7803 TELEGRAPH RD STE N-P
City,State,Zip:	MONTEBELLO, CA 906406530
Year:	2011
GEPAID:	CAL000304106
Contact:	JOE EPSTEIN
Telephone:	3237244110
Mailing Name:	Not reported
Mailing Address:	7803 TELEGRAPH RD #N
Mailing City,St,Zip:	MONTEBELLO, CA 906406530
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.133
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	EPSTEINS MUFFLER & AUTO RESTORATION
Address:	7803 TELEGRAPH RD STE N-P
City,State,Zip:	MONTEBELLO, CA 906406530
Year:	2010
GEPAID:	CAL000304106
Contact:	JOE EPSTEIN
Telephone:	3237244110
Mailing Name:	Not reported
Mailing Address:	7803 TELEGRAPH RD #N
Mailing City,St,Zip:	MONTEBELLO, CA 906406530
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.133
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

F34 **CARDLOCK FUELS** **LUST** **S104538456**
NNE **7799 TELEGRAPH RD** **Cortese** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640** **LOS ANGELES CO. HMS**
0.164 mi. **CERS**
864 ft. **Site 6 of 15 in cluster F**

Relative: **Higher**
Actual: **157 ft.**

LUST:

Name:	CARDLOCK FUELS
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000012355
Global Id:	T10000012355
Latitude:	33.97432
Longitude:	-118.12239
Status:	Open - Active

CARDLOCK FUELS (Continued) **S104538456**

Status Date:	11/29/2018
Case Worker:	ABL
RB Case Number:	R-26625A
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T10000012355
Contact Type:	Regional Board Caseworker
Contact Name:	ANN B. LIN
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	alin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T10000012355
Action Type:	Other
Date:	11/29/2018
Action:	Leak Began

Global Id:	T10000012355
Action Type:	Other
Date:	11/29/2018
Action:	Leak Discovery

Global Id:	T10000012355
Action Type:	ENFORCEMENT
Date:	11/29/2018
Action:	Referral to Regional Board

Global Id:	T10000012355
Action Type:	Other
Date:	11/29/2018
Action:	Leak Reported

LUST:

Global Id:	T10000012355
Status:	Open - Active
Status Date:	11/29/2018

Global Id:	T10000012355
Status:	Open - Case Begin Date
Status Date:	11/29/2018

CORTESE:

Name:	CARDLOCK FUELS
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Region:	CORTESE

CARDLOCK FUELS (Continued) **S104538456**

Envirostor Id:	Not reported
Global ID:	T10000012355
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - ACTIVE
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:	CARDLOCK FUELS
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406537
Region:	LA
Permit Category:	T
Facility Id:	018668-026625
Facility Type:	0
Facility Status:	Removed
Area:	3H
Permit Number:	000240940
Permit Status:	Removed

Name:	ADC TRUCK WASH
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406537
Region:	LA
Permit Category:	Not reported
Facility Id:	018668-055689
Facility Type:	Not reported
Facility Status:	OPEN
Area:	3H
Permit Number:	Not reported
Permit Status:	Not reported

CERS:

Name:	CARDLOCK FUELS
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	445805
CERS ID:	T10000012355
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ANN B. LIN - LOS ANGELES RWQCB (REGION 4)

CARDLOCK FUELS (Continued) **S104538456**

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:	Not reported

F35 **A D C TRUCK WASH** **CERS HAZ WASTE** **S112901424**
NNE **7799 TELEGRAPH RD** **CERS TANKS** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640** **HAZNET**
0.164 mi. **CERS**
864 ft. **Site 7 of 15 in cluster F**

Relative: Higher

Actual: 157 ft.

CERS HAZ WASTE:

Name:	V & V TRUCK LUBE
Address:	7799 TELEGRAPH RD # 3
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	165306
CERS ID:	10274797
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CARDLOCK FUELS SYSTEMS
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	16479
CERS ID:	10267387
CERS Description:	Underground Storage Tank

HAZNET:

Name:	A D C TRUCK WASH
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Year:	2011
GEPAID:	CAC002181212
Contact:	MARK COHRS
Telephone:	3237270906
Mailing Name:	Not reported
Mailing Address:	7799 TELEGRAPH RD
Mailing City,St,Zip:	MONTEBELLO, CA 90640
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Tons:	4.56
CA Waste Code:	221-Waste oil and mixed oil
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	A D C TRUCK WASH
Address:	7799 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Year:	2011
GEPAID:	CAC002181212
Contact:	MARK COHRS

A D C TRUCK WASH (Continued) **S112901424**

Telephone: 3237270906
Mailing Name: Not reported
Mailing Address: 7799 TELEGRAPH RD
Mailing City,St,Zip: MONTEBELLO, CA 90640
Gen County: Los Angeles
TSD EPA ID: AZR000501510
TSD County: 99
Tons: 3.5
CA Waste Code: 611-Contaminated soil from site clean-up
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

CERS:
Name: CARDLOCK FUELS SYSTEMS
Address: 7799 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 16479
CERS ID: 10267387
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 16479
Site Name: CARDLOCK FUELS SYSTEMS
Violation Date: 11-02-2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 06/12/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 16479
Site Name: CARDLOCK FUELS SYSTEMS
Violation Date: 11-03-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 11/03/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 16479
Site Name: CARDLOCK FUELS SYSTEMS
Violation Date: 11-03-2015
Citation: 23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description: Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes: Returned to compliance on 11/03/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

A D C TRUCK WASH (Continued) **S112901424**

Site ID:	16479
Site Name:	CARDLOCK FUELS SYSTEMS
Violation Date:	11-02-2017
Citation:	HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description:	Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 06/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	16479
Site Name:	CARDLOCK FUELS SYSTEMS
Violation Date:	11-03-2015
Citation:	23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description:	The owner/operator has failed to comply with one or more of the following: to maintain a copy of the designated operator monthly inspections for the last 12 months and/or maintain a list of trained employees on-site or off-site at a readily available location, if approved by the CUPA.
Violation Notes:	Returned to compliance on 11/03/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	16479
Site Name:	CARDLOCK FUELS SYSTEMS
Violation Date:	11-03-2015
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to maintain on site an approved monitoring plan.
Violation Notes:	Returned to compliance on 11/03/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	16479
Site Name:	CARDLOCK FUELS SYSTEMS
Violation Date:	11-02-2017
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes:	Returned to compliance on 06/12/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Brian Decker, Manager. No significant violations observed at time of

A D C TRUCK WASH (Continued) **S112901424**

	inspection.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Brian Decker, 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:	Other/Unknown
Eval Date:	10-12-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	SOIL SAMPLES TAKEN 2' BELOW UDC,TANKS,AND PIPING.NO SOIL DISCOLORATI ON OR ODORS WERE OBSERVED.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-02-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	SB989 TESTING CONDUCTED 02/06/2017 NOT SUBMITTED,NOT ON SITE;EMPLOYE E TRNING 041017;FUEL ALARM 102017,SMALL AMOUNT OF WATER REMOVED,D.O.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC ISSUED FOR ERRORS ON CERS SUBMITTAL DATED 02/04/15,EXPIRED OSDO ,MISSING DO REPORT OCT 2015,MONITOR SITE PLAN MISSING IN CERS.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CTLS 11/2/16; ALL SUMPS AND UDC'S DRY; ALL SENS & VR TAGGED; CERS UPDATED. SITE GONE PAPERLESS AND ALL INFO ON COMPUTER AT SITE.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2014

A D C TRUCK WASH (Continued) **S112901424**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CTLS 11/05/14.SB989 02/06/14.LD2000 MLLD.AMERON DW PIPING.VR407 ANNULAR.VR350 SUMP SENSORS.VR320 UDC SENSOR AND FLOAT&CHAIN.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: BRIAN DECKER
Entity Title: Not reported
Affiliation Address: 1800 West Katella Ave
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92867
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Brian Decker
Entity Title: Cardlock Facilities 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: Operator
Entity Name: Cardlock Fuels System, 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: (800) 441-1215

Affiliation Type Desc: Property Owner
Entity Name: William Potter Trust
Entity Title: Not reported
Affiliation Address: 1912 Saleroso Drive
Affiliation City: Rawland Heights
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91748
Affiliation Phone: (800) 441-1215

Affiliation Type Desc: UST Permit Applicant
Entity Name: Brian Decker
Entity Title: Cardlock Facilities Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

A D C TRUCK WASH (Continued) **S112901424**

Affiliation Phone:	(714) 642-0588
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1800 West Katella Ave
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92867
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CFS 21 Montebello
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:	UST Property Owner Name
Entity Name:	WILLIAM Potter trus
Entity Title:	Not reported
Affiliation Address:	1912 Saleroso Dr
Affiliation City:	Rowland Heights
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91748
Affiliation Phone:	(800) 441-1215
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Cardlock Fuels System, Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 7003
Affiliation City:	Lancaster
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93539
Affiliation Phone:	(800) 441-1215
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Cardlock Fuels System, Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 7003
Affiliation City:	Lancaster
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93539
Affiliation Phone:	(714) 516-7365
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce

A D C TRUCK WASH (Continued) **S112901424**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4045
Affiliation Type Desc:	Document Preparer
Entity Name:	Brian Decker
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:	Cardlock Fuels System, Inc.
Entity Title:	Not reported
Affiliation Address:	1800 West Katella Ave
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92867
Affiliation Phone:	(800) 441-1215
Name:	V & V TRUCK LUBE
Address:	7799 TELEGRAPH RD # 3
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	165306
CERS ID:	10274797
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	165306
Site Name:	V & V TRUCK LUBE
Violation Date:	04-29-2016
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 05/16/2016. OBSERVATION: Observed faded label with missing accumulation date on waste oil tank located at the exterior of the facility. All hazardous waste tanks shall be marked with the words ?Hazardous Waste? and the accumulation start date. CORRECTIVE ACTION: Immediately ensure that all hazardous waste tanks are marked with the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	165306
Site Name:	V & V TRUCK LUBE
Violation Date:	04-29-2016
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130

A D C TRUCK WASH (Continued) **S112901424**

Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 05/23/2016. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Observed 1 x 55 gallon drum full of used oil filter without any cover or labels. 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. Verify compliance with the CUPA. Containers holding drained used oil filters and/or drained Diesel fuel filters to be transported off-site - either directly or via a storage or consolidation facility - to a smelter for recycling shall be marked with the following information: oThe words ?DRAINED USED OIL FILTERS? o The accumulation start date for the filters in the container.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	165306
Site Name:	V & V TRUCK LUBE
Violation Date:	04-29-2016
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 05/23/2016. OBSERVATION: Observed 1 x 55 gallon empty drum without any labels. Observed 2 tanks that are not "permanently closed" without any labels: 1 x 75 gallon tank 1 x 220 new oil tank CORRECTIVE ACTION: Each empty container larger than 5 gallons that previously held a hazardous material must be marked with the date it was emptied and be shipped for recycling, reconditioning, or reclamation of its scrap value ? or managed on site in such a manner ? within one year of being emptied. 22CCR 11 66261.7
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	165306
Site Name:	V & V TRUCK LUBE
Violation Date:	04-29-2016
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 06/13/2016. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for the following materials to the CUPA: 1 x 320 gallon of Used Oil tank 1 x 240 gallon of new oil tank 1 x 340 gallon of new oil tank 1 x 220 gallon of new oil tank 1 x 75 gallon of new oil tank 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). Tanks that are not in operation must be clearly labeled and will be counted towards hazardous material inventory unless they are "Permanently closed".
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP

A D C TRUCK WASH (Continued) **S112901424**

Violation Source: CERS

Site ID: 165306
Site Name: V & V TRUCK LUBE
Violation Date: 04-29-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 05/23/2016. Discontinue the practic of accepting hazardous waste from other businesses for disposal without a valid permit from DTSC. Mr. Levon Shakrikian, stated business accepts used oil from other business for disposal, placing him in LQG status. Transfer/Treatment/Storage/Disposal Permit - A facility may not transfer (i.e. load, unload, pump, or package waste that is not generated on-site), treat, store or dispose of a hazardous waste on-site without obtaining a permit from DTSC. CCR66270.1
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 165306
Site Name: V & V TRUCK LUBE
Violation Date: 04-29-2016
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 06/13/2016. OBSERVATION: The annotated site map has not indicated location of 1 x 340 gallon used oil tank at the exterior of the building, resubmit 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

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Levon Shakrikian, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Levon Shakrikian, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown

A D C TRUCK WASH (Continued) **S112901424**

Eval Date: 05-16-2016
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: 05-16-2016
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: Other/Unknown
Eval Date: 05-23-2016
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: Other/Unknown
Eval Date: 06-13-2016
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

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: PACIFIC OIL CO
Entity Title: Not reported
Affiliation Address: 19528 VENTURA BLVD
Affiliation City: TARZANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91365
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 637 N 2ND ST
Affiliation City: MONTEBELLO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90640
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

A D C TRUCK WASH (Continued) **S112901424**

Entity Name:	VAGAN SHAKRIKIAN
Entity Title:	Not reported
Affiliation Address:	637 N 2ND ST
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 727-2990
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) 890-4045
Affiliation Type Desc:	Operator
Entity Name:	VAGAN SHAKRIKIAN
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) 707-7500
Affiliation Type Desc:	Parent Corporation
Entity Name:	V & V TRUCK LUBE
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

Name:	ADC TRUCK WASH INCORPORATED
Address:	7799 TELEGRAPH RD # 1
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	3078
CERS ID:	10295827
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	3078
Site Name:	ADC TRUCK WASH INCORPORATED
Violation Date:	04-29-2016
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 05/16/2016. Provide industrial discharge permit and testing results for effluent water/soap/hazardous material washed off during truck washing process.
Violation Division:	Los Angeles County Fire Department

A D C TRUCK WASH (Continued) **S112901424**

Violation Program: HMRRP
Violation Source: CERS

Site ID: 3078
Site Name: ADC TRUCK WASH INCORPORATED
Violation Date: 04-29-2016
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/23/2016. OBSERVATION: Owner/Operator failed to adequately label hazardous materials. Observed unlabeled 55 gallon drums throughout the facility. Observed the following: 1. 2 x 55 gallon drum with no labels outside the pump room by the window. 2. 3 x 55 gallon drums with no labels inside the pump room. 3. 6 x 55 gallon drums with no lablels by the door outside the pump room. CORRECTIVE ACTION: Hazardous materials that are mislabeled or not adequately labeled must be properly labeled within 10 days or be managed as a hazardous waste. 22 CCR11 66261.2(f)
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 3078
Site Name: ADC TRUCK WASH INCORPORATED
Violation Date: 04-29-2016
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 05/24/2016. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for diluted gallons of "Aluminum Brightner" and "Smokehouse Cleaner" to the CUPA. 8 x 55 gallons of "Aluminum Brightner" located at wash area and pump room. >55 gallons of "Smokehouse cleaner" located at wash area and pump room. 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: 04-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Francisco Saleido, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-16-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency

A D C TRUCK WASH (Continued) **S112901424**

Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-23-2016
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: 05-24-2016
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

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 7799 TELEGRAPH RD #1
Affiliation City: MONTEBELLO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90640
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: MARK COHRS
Entity Title: PRESIDENT
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: MARK COHRS
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) 727-0806

Affiliation Type Desc: Parent Corporation
Entity Name: ADC TRUCK WASH INCORPORATED
Entity Title: Not reported

A D C TRUCK WASH (Continued) **S112901424**

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) 890-4045
Affiliation Type Desc:	Document Preparer
Entity Name:	MARK COHRS
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:	MARK COHRS
Entity Title:	Not reported
Affiliation Address:	7799 TELEGRAPH RD #1
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90640
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	ARTHUR DEVELOPMENT CO
Entity Title:	Not reported
Affiliation Address:	7799 TELEGRAPH RD #1
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(949) 759-7655

F36 **CARDLOCK FUELS SYSTEM INC** **RCRA NonGen / NLR** **1024790274**
NNE **7799 TELEGRAPH RD** **CAL000081180**
1/8-1/4 **MONTEBELLO, CA 90640**
0.164 mi.
864 ft. **Site 8 of 15 in cluster F**

Relative:
Higher

Actual:
157 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/09/1992
Facility name:	CARDLOCK FUELS SYSTEM INC
Facility address:	7799 TELEGRAPH RD MONTEBELLO, CA 90640-0000
EPA ID:	CAL000081180
Mailing address:	PO BOX 7003 LANCASTER, CA 93539-0000
Contact:	ERIN SCHATZ
Contact address:	PO BOX 7003 LANCASTER, CA 93539-0000
Contact country:	Not reported
Contact telephone:	714-516-7297
Contact email:	SCHATZE@SCFUELS.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CARDLOCK FUELS SYSTEM INC
Owner/operator address:	PO BOX 7003 LANCASTER, CA 93539
Owner/operator country:	Not reported
Owner/operator telephone:	800-441-1215
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ERIN SCHATZ
Owner/operator address:	PO BOX 7003 LANCASTER, CA 93539
Owner/operator country:	Not reported
Owner/operator telephone:	714-516-7297
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CARDLOCK FUELS SYSTEM INC (Continued) **1024790274**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

G37 **RILLEY GAS & FOOD INC** **UST** **U003938054**
North **7667 E SLAUSON AVE** **N/A**
1/8-1/4 **COMMERCE, CA 90040**
0.166 mi.
875 ft. **Site 2 of 9 in cluster G**

Relative: UST:
Higher

Name:	RILLEY GAS & FOOD INC
Address:	7667 E SLAUSON AVE
City,State,Zip:	COMMERCE, CA 90040
Facility ID:	LACoFA0025104
Permitting Agency:	Los Angeles County Fire Department
Latitude:	33.97605
Longitude:	-118.12652

Name:	ARCO PRODUCTS #01682
Address:	7667 E SLAUSON AVE
City,State,Zip:	LOS ANGELES, CA 90040
Facility ID:	4755
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	33.9774205
Longitude:	-118.1250806

G38 **JOSEPH E AMASH** **HIST UST** **U001561632**
North **7667 E SLAUSON AVE** **N/A**
1/8-1/4 **CITY OF COMMERCE, CA 90040**
0.166 mi.
875 ft. **Site 3 of 9 in cluster G**

Relative: HIST UST:
Higher

Name:	JOSEPH E AMASH
Address:	7667 E SLAUSON AVE
City,State,Zip:	CITY OF COMMERCE, CA 90040
File Number:	00026458
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026458.pdf
Region:	STATE
Facility ID:	00000026601
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	ARCO PETROLEUM PRODUCTS CO.
Owner Address:	515 SOUTH FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90071
Total Tanks:	0005

JOSEPH E AMASH (Continued) **U001561632**

Tank Num: 001
Container Num: 0000000001
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 001
Container Num: 0000000001
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002
Year Installed: 1975
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000167
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1975
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1975
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 0000000004
Year Installed: 1971

JOSEPH E AMASH (Continued) **U001561632**

Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

Tank Num:	004
Container Num:	0000000004
Year Installed:	1971
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10

Tank Num:	005
Container Num:	0000000005
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	0000093
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	0000000005
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	0000093
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

G39 **RILLEY GAS & FOOD INC** **CERS HAZ WASTE** **S109421935**
North **7667 E SLAUSON AVE** **CERS TANKS** **N/A**
1/8-1/4 **COMMERCE, CA 90040** **LOS ANGELES CO. HMS**
0.166 mi. **CERS**
875 ft. **Site 4 of 9 in cluster G**

Relative: **Higher**

Actual: **159 ft.**

CERS HAZ WASTE:

Name:	RILLEY GAS & FOOD INC
Address:	7667 E SLAUSON AVE
City,State,Zip:	COMMERCE, CA 90040
Site ID:	147880
CERS ID:	10274908
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	RILLEY GAS & FOOD INC
Address:	7667 E SLAUSON AVE
City,State,Zip:	COMMERCE, CA 90040
Site ID:	147880
CERS ID:	10274908
CERS Description:	Underground Storage Tank

RILLEY GAS & FOOD INC (Continued) **S109421935**

LOS ANGELES CO. HMS:
Name: RILLEY GAS & FOOD INC
Address: 7667 E SLAUSON AVE
City,State,Zip: COMMERCE, CA 900403826
Region: LA
Permit Category: T
Facility Id: 004580-051915
Facility Type: 0
Facility Status: Permit
Area: 3V
Permit Number: 000587305
Permit Status: Permit

CERS:
Name: RILLEY GAS & FOOD INC
Address: 7667 E SLAUSON AVE
City,State,Zip: COMMERCE, CA 90040
Site ID: 147880
CERS ID: 10274908
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/13/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-07-2018
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-07-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

RILLEY GAS & FOOD INC (Continued) **S109421935**

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2019
Citation: 23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description: Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1,?2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October?1,?2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes: Returned to compliance on 05/13/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: 23 CCR 16 2631(g), 2632(c)(2)(A) & (B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2631(g), 2632(c)(2)(A) & (B)
Violation Description: Failure of the double-walled interstitial space of the tank to be continuously monitored with an audible and visual alarm.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

RILLEY GAS & FOOD INC (Continued) **S109421935**

Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-18-2016
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 05/26/2016. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words ?Hazardous Waste?; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed 1 x 55 gallon drum containing non-RCRA hazardous waste solids and 1 x 55 gallon drum containing non-RCRA hazardous waste liquid without all the required information on hazardous waste label. 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:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-01-2019
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the ?Monitoring System Certification Form? to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 05/13/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-02-2013
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:	provide disposal records for used oil filter disposal
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-01-2019
Citation:	23 CCR 16 2716(a) through (e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(a) through (e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of

RILLEY GAS & FOOD INC (Continued) **S109421935**

liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 05/13/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: HSC 6.7 25290.1(d) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(d)
Violation Description: Failure of a UST system installed on or after July 1, 2004 to be designed and constructed with a monitoring system capable of detecting the entry of the liquid or vapor-phase of the hazardous substance stored in the primary containment into the secondary containment and capable of detecting water intrusion into the secondary containment.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-11-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 05/02/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7,

RILLEY GAS & FOOD INC (Continued) **S109421935**

	Section(s) 25290.1(e)
Violation Description:	Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes:	Returned to compliance on 05/10/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-18-2016
Citation:	22 CCR 12 66262.34(b)(1) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(b)(1)
Violation Description:	Failure to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period.
Violation Notes:	Returned to compliance on 05/26/2016. OBSERVATION: The generator failed to dispose of hazardous waste after the first 100-kilogram threshold amount was accumulated within a 90 day period. Observed 1 x 55 gallon drum containing non-RCRA hazardous waste solids and 1 x 55 gallon drum containing non-RCRA hazardous waste liquid accumulating on site in excess of 90 days since 100 kilogram threshold was reached. Threshold was exceeded in September 2015. CORRECTIVE ACTION: Immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA by 6-17-16.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-11-2015
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/02/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-01-2019
Citation:	23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description:	Failure to submit or maintain a current facility plot plan.
Violation Notes:	Returned to compliance on 05/13/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880

RILLEY GAS & FOOD INC (Continued) **S109421935**

Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-07-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 05/10/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-07-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 05/10/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
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 05/26/2016. OBSERVATION: The annotated site map submitted to the CUPA does not include all the required elements. Observed site map submitted to the California Environmental Reporting System (CERS) to be illegible. 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:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-01-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 05/13/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-01-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 05/13/2019.
Violation Division:	Los Angeles County Department of Public Works

RILLEY GAS & FOOD INC (Continued) **S109421935**

Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 05/10/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-01-2019
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 05/13/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
Violation Date: 05-11-2015
Citation: HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description: Failure to test the spill bucket annually.
Violation Notes: Returned to compliance on 05/02/2016.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 147880
Site Name: RILLEY GAS & FOOD INC
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.

RILLEY GAS & FOOD INC (Continued) **S109421935**

Violation Notes:	Returned to compliance on 06/02/2016. OBSERVATION: The Hazardous Materials Inventory requires updating in the California Environmental Reporting System (CERS). The following requires updating - 1) 1 x 20,000 gallon UST regular unleaded gasoline. 2) 1 x 53 gallon CO2 tank. 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
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-11-2015
Citation:	23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description:	Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 05/02/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-01-2019
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 05/13/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	147880
Site Name:	RILLEY GAS & FOOD INC
Violation Date:	05-02-2013
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:	complete CERS submittal with CCP and training plan
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	05-26-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department

RILLEY GAS & FOOD INC (Continued) **S109421935**

Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-02-2016
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: Compliance Evaluation Inspection
Eval Date: 05-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC ISSUED FOR NO VACUUM MONITORING FOR 87 MAIN/91 VAPOR LINE AND ALL SUMP CHASE PIPING.FAILED TO SUBMIT 2015 CTLS.ERROR ON CERS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-01-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC:1)OVFL TEST NOT DONE BEFORE 101318 2)2018 CTLS REJECTED 3)2015 CTLS REJECTED 4)CERS
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by T Zehdar, HMS II Consent by R Kim
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by T Zehdar, HMS II Consent by R Kim
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ALL SUMPS DRY; ALL SENSORS @LOW PT; ALL SENSORS & VR TAG; UDCS DRY LOG BOOK & CERS UPDATED.
Eval Division: Los Angeles County Department of Public Works

RILLEY GAS & FOOD INC (Continued) **S109421935**

Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC ISSUED FOR 2015 MONITORING SYSTEM CERT & SPILL BUCKET NOT BEING SUBMITTED;NEED CERS CORR FOR 91 TANK SIZE. CTLS 05/07/18.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: NOVC ISSUED FOR EXPIRED CTLS.LAST DATED 04/30/15.ERRORS IN CERS SUBMITTAL DATED 03/31/15.LIQ IN SUMPS/SPBK REMOVED BY TECHNICIANS.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
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: Maribel Catano, Manager.
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: Maribel Catano, Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-26-2016
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

Coordinates:
Site ID: 147880
Facility Name: RILLEY GAS & FOOD INC
Env Int Type Code: HWG
Program ID: 10274908
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.

RILLEY GAS & FOOD INC (Continued) **S109421935**

Latitude: 33.976050
Longitude: -118.126520

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: JIMMY KONG
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: RALPH KIM
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: UST Permit Applicant
Entity Name: RALPH KIM
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: (323) 722-5650

Affiliation Type Desc: UST Tank Owner
Entity Name: RALPH KIM
Entity Title: Not reported
Affiliation Address: 7667 E SLAUSON AVE
Affiliation City: COMMERCE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90040
Affiliation Phone: (323) 722-5650

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) 890-4045

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

RILLEY GAS & FOOD INC (Continued) **S109421935**

Affiliation Address:	7667 E SLAUSON AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	RALPH KIM
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:	(714) 323-0553
Affiliation Type Desc:	Parent Corporation
Entity Name:	RILLEY GAS & FOOD 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:	UST Property Owner Name
Entity Name:	RALPH KIM
Entity Title:	Not reported
Affiliation Address:	7667 E SLAUSON AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(323) 722-5650
Affiliation Type Desc:	Environmental Contact
Entity Name:	BRATZO BASAGOITIA
Entity Title:	Not reported
Affiliation Address:	P O BOX 6038
Affiliation City:	ARTESIA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90702-6038
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	RILLEY GAS & FOOD INC
Entity Title:	Not reported
Affiliation Address:	7667 E SLAUSON AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(714) 323-0553

RILLEY GAS & FOOD INC (Continued) **S109421935**

Affiliation Type Desc:	UST Tank Operator
Entity Name:	RALPH KIM
Entity Title:	Not reported
Affiliation Address:	7667 E SLAUSON AVE
Affiliation City:	COMMERCE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90040
Affiliation Phone:	(323) 722-5650

G40 **JOSEPH AMASH ARCO SERVICE** **HIST UST** **U001561631**
North **7667 E SLAUSON AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90040**
0.166 mi.
875 ft. **Site 5 of 9 in cluster G**

Relative: HIST UST:
Higher

Actual: Name:	JOSEPH AMASH ARCO SERVICE
159 ft. Address:	7667 E SLAUSON AVE
City,State,Zip:	LOS ANGELES, CA 90040
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000034182
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JOSEPH AMASH
Telephone:	2137225650
Owner Name:	JOSEPH AMASH ARCO SERVICE
Owner Address:	7667 E. SLAUSON AVE.
Owner City,St,Zip:	COMMERCE, CA 90040
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED

JOSEPH AMASH ARCO SERVICE (Continued) **U001561631**

Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

G41 **JOSEPH E. AMASH** **HIST UST** **U001561633**
North **7667 E SLAUSON AVE** **N/A**
1/8-1/4 **CITY OF COMMERCE, CA 90040**
0.166 mi.
875 ft. **Site 6 of 9 in cluster G**

Relative: HIST UST:
Higher

Actual: **159 ft.**

Name:	JOSEPH E. AMASH
Address:	7667 E SLAUSON AVE
City,State,Zip:	CITY OF COMMERCE, CA 90040
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000067565
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2137225660
Owner Name:	ATLANTIC RICHFIELD COMPANY
Owner Address:	515 SOUTH FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90071
Total Tanks:	0005
Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00004000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	1976
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	3
Year Installed:	1976
Tank Capacity:	00006000
Tank Used for:	PRODUCT

JOSEPH E. AMASH (Continued) **U001561633**

Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	004
Container Num:	4
Year Installed:	1972
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test
Tank Num:	005
Container Num:	5
Year Installed:	1986
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test

G42 **JOSEPH AMASH ARCO SERVICE** **SWEEPS UST** **S101584851**
North **7667 E SLAUSON AVE** **HIST UST** **N/A**
1/8-1/4 **COMMERCE, CA 90040** **CA FID UST**
0.166 mi. **LOS ANGELES CO. HMS**
875 ft. **Site 7 of 9 in cluster G**

Relative: Higher

Actual: 159 ft.

SWEEPS UST:

Name:	ARCO PETROLEUM PROD CO # 1682
Address:	7667 E SLAUSON AVE
City:	COMMERCE
Status:	Active
Comp Number:	4755
Number:	9
Board Of Equalization:	44-000506
Referral Date:	06-30-89
Action Date:	Not reported
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-004755-000001
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	3
Name:	ARCO PETROLEUM PROD CO # 1682
Address:	7667 E SLAUSON AVE
City:	COMMERCE
Status:	Active
Comp Number:	4755
Number:	9
Board Of Equalization:	44-000506
Referral Date:	06-30-89
Action Date:	Not reported

JOSEPH AMASH ARCO SERVICE (Continued) **S101584851**

Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004755-000002
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: ARCO PETROLEUM PROD CO # 1682
Address: 7667 E SLAUSON AVE
City: COMMERCE
Status: Active
Comp Number: 4755
Number: 9
Board Of Equalization: 44-000506
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004755-000003
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: JOSEPH AMASH ARCO SERVICE
Address: 7667 E SLAUSON AVE
City,State,Zip: COMMERCE, CA 90040
File Number: 0002723E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002723E.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
Leak Detection: Not reported

JOSEPH AMASH ARCO SERVICE (Continued) **S101584851**

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19016297
Regulated By:	UTNKA
Regulated ID:	00026601
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	17315 S STUDEBAKER RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	COMMERCE
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

LOS ANGELES CO. HMS:

Name:	ARCO #01682
Address:	7667 E SLAUSON AVE
City,State,Zip:	COMMERCE, CA 900403826
Region:	LA
Permit Category:	T
Facility Id:	004580-037119
Facility Type:	0
Facility Status:	Closed
Area:	3V
Permit Number:	000337790
Permit Status:	Closed

G43 **RILLEY GAS & FOOD, INC.** **RCRA NonGen / NLR** **1024801314**
North **7667 E SLAUSON AVE** **CAL000226313**
1/8-1/4 **COMMERCE, CA 90040**
0.166 mi.
875 ft. **Site 8 of 9 in cluster G**

Relative: **Higher**

Actual: **159 ft.**

RCRA NonGen / NLR:

Date form received by agency:	03/11/2002
Facility name:	RILLEY GAS & FOOD, INC.
Facility address:	7667 E SLAUSON AVE COMMERCE, CA 90040-3826
EPA ID:	CAL000226313
Contact:	RALPH KIM
Contact address:	7667 E SLAUSON AVE COMMERCE, CA 90040
Contact country:	Not reported
Contact telephone:	323-722-5650
Contact email:	RILLEYGAS@GMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

RILLEY GAS & FOOD, INC. (Continued) **1024801314**

Owner/Operator Summary:
Owner/operator name: RALPH KIM
Owner/operator address: 7667 E SLAUSON AVE
COMMERCE, CA 90040
Owner/operator country: Not reported
Owner/operator telephone: 323-722-5650
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RALPH KIM
Owner/operator address: 7667 E SLAUSON AVE
COMMERCE, CA 90040
Owner/operator country: Not reported
Owner/operator telephone: 323-722-5650
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

G44 **ARCO** **LUST** **S104406633**
North **7667 SLAUSON AVE E** **HIST CORTESE** **N/A**
1/8-1/4 **COMMERCE, CA 90040** **CERS**
0.166 mi.
875 ft. **Site 9 of 9 in cluster G**

Relative: LUST:
Higher
Name: ARCO #1682
Actual: Address: 7667 SLAUSON AVE E
159 ft. City,State,Zip: COMMERCE, CA 90040
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site

ARCO (Continued) **S104406633**

Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704652
Global Id: T0603704652
Latitude: 33.9760146
Longitude: -118.1269046
Status: Completed - Case Closed
Status Date: 02/02/2010
Case Worker: MB
RB Case Number: R-04755
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: UNK
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603704652
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: T0603704652
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T0603704652
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603704652
Action Type: ENFORCEMENT
Date: 02/02/2010
Action: Closure/No Further Action Letter

Global Id: T0603704652
Action Type: ENFORCEMENT
Date: 01/14/2010
Action: Notification - Preclosure

Global Id: T0603704652
Action Type: ENFORCEMENT
Date: 01/28/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603704652
Action Type: ENFORCEMENT

ARCO (Continued) **S104406633**

Date: 02/23/2004
Action: Staff Letter

Global Id: T0603704652
Action Type: ENFORCEMENT
Date: 11/14/2001
Action: Staff Letter

Global Id: T0603704652
Action Type: Other
Date: 09/20/1985
Action: Leak Discovery

Global Id: T0603704652
Action Type: ENFORCEMENT
Date: 06/03/2004
Action: Staff Letter

Global Id: T0603704652
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 04/15/2004
Action: Other Workplan

Global Id: T0603704652
Action Type: RESPONSE
Date: 11/19/2003
Action: Request for Closure

Global Id: T0603704652
Action Type: Other
Date: 09/20/1985
Action: Leak Stopped

Global Id: T0603704652
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: REMEDIATION
Date: 01/15/2000
Action: Excavation

Global Id: T0603704652
Action Type: Other
Date: 09/20/1985
Action: Leak Reported

Global Id: T0603704652
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

ARCO (Continued) **S104406633**

Global Id: T0603704652
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 01/16/2009
Action: Request for Closure

Global Id: T0603704652
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603704652
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0603704652
Status: Open - Case Begin Date
Status Date: 09/20/1985

Global Id: T0603704652
Status: Open - Site Assessment

ARCO (Continued) **S104406633**

Status Date: 09/20/1985

Global Id: T0603704652
Status: Open - Site Assessment
Status Date: 11/14/2001

Global Id: T0603704652
Status: Completed - Case Closed
Status Date: 02/02/2010

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-04755
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: UNK
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704652
W Global ID: Not reported
Staff: MB
Local Agency: 19000
Cross Street: GAGE AVE
Enforcement Type: DLSEL
Date Leak Discovered: 9/20/1985
Date Leak First Reported: 9/20/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 9/20/1985
Date Leak Stopped: 9/20/1985
Date Case Last Changed on Database: 1/11/2002
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: CRONE, T.R.
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2282.367312990033312778013779
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 11/14/2001
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

ARCO (Continued) **S104406633**

Organization: Not reported
Owner Contact: Not reported
Responsible Party: MR. GORDEN TERHUNE
RP Address: FOUR CENTERPOINTE DR., LPR4-462,
Program: LUST
Lat/Long: 33.9760146 / -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: LA CO DPW REFERRED CASE TO LARWQCB 10/23/01

HIST CORTESE:
edr_fname: ARCO
edr_fadd1: 7667 SLAUSON
City,State,Zip: LOS ANGELES, CA 90040
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-04755

CERS:
Name: ARCO #1682
Address: 7667 SLAUSON AVE E
City,State,Zip: COMMERCE, CA 90040
Site ID: 219226
CERS ID: T0603704652
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: MAGDY BAIADY - 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: 2135766699

F45 **SUPERIOR MERCHANDISE INC** **RCRA NonGen / NLR** **1024763458**
NNE **7825 TELEGRAPH RD** **CAC002983322**
1/8-1/4 **MONTEBELLO, CA 90640**
0.178 mi.
938 ft. **Site 9 of 15 in cluster F**

Relative:
Higher

Actual:
156 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/03/2018
Facility name:	SUPERIOR MERCHANDISE INC
Facility address:	7825 TELEGRAPH RD MONTEBELLO, CA 90640
EPA ID:	CAC002983322
Mailing address:	13129 VALLEY BLVD LA PUENTE, CA 91746
Contact:	DIEGO CHUNG
Contact address:	7825 TELEGRAPH RD MONTEBELLO, CA 90640
Contact country:	Not reported
Contact telephone:	818-287-4983
Contact email:	SMERCHANDISE2017@GMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DIEGO CHUNG
Owner/operator address:	7825 TELEGRAPH RD MONTEBELLO, CA 90640
Owner/operator country:	Not reported
Owner/operator telephone:	818-287-4983
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DIEGO CHUNG
Owner/operator address:	7825 TELEGRAPH RD MONTEBELLO, CA 90640
Owner/operator country:	Not reported
Owner/operator telephone:	818-287-4983
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

SUPERIOR MERCHANDISE INC (Continued) **1024763458**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

F46 **SHELL SERVICE STATION** **LUST** **1006805324**
NNE **7825 TELEGRAPH** **RCRA NonGen / NLR** **CAR000125880**
1/8-1/4 **MONTEBELLO, CA 90640** **FINDS**
0.178 mi. **ECHO**
938 ft. **Site 10 of 15 in cluster F** **HAZNET**
CERS

Relative:
Higher

Actual:
156 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09491A	
Status:	Leak being confirmed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603748010	
W Global ID:	Not reported	
Staff:	CEC	
Local Agency:	19000	
Cross Street:	SLAUSON	
Enforcement Type:	SEL	
Date Leak Discovered:	10/23/2002	
Date Leak First Reported:		10/23/2002
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	10/23/2002	
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:	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):		Not reported
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

SHELL SERVICE STATION (Continued) **1006805324**

Historical Max MTBE Date: 3/26/2003
Hist Max MTBE Conc in Groundwater: 660
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: =
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: JOE LENTINI
RP Address: 911 S. PRIMROSE AVENUE, SUITE K
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

RCRA NonGen / NLR:
Date form received by agency: 12/17/2018
Facility name: SHELL SERVICE STATION
Facility address: 7825 TELEGRAPH
S A P NO 135613
MONTEBELLO, CA 90640
EPA ID: CAR000125880
Mailing address: P O BOX 2648
HOUSTON, TX 77252-2648
Contact: TESSA BEMIS
Contact address: 285 DELAWARE AVE STE 500
BUFFALO, NY 14202
Contact country: US
Contact telephone: 716-362-8847
Contact email: TESSA.BEMIS@GHD.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EQUILON ENTERPRISES LLC DBA
Owner/operator address: P O BOX 2648
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: 713-241-5036
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC DBA
Owner/operator address: P O BOX 2648
HOUSTON, TX 77252

SHELL SERVICE STATION (Continued) **1006805324**

Owner/operator country: US
Owner/operator telephone: 713-241-5036
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/16/2002
Site name: SHELL SERVICE STATION
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110013308606

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

SHELL SERVICE STATION (Continued) **1006805324**

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:	1006805324
Registry ID:	110013308606
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013308606

HAZNET:

Name:	SHELL SERVICE STATION
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406519
Year:	2010
GEPAID:	CAR000125880
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO BOX 3127
Mailing City,St,Zip:	HOUSTON, TX 772530000
Gen County:	Los Angeles
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Tons:	0.22935
CA Waste Code:	122-Alkaline solution without metals pH >= 12.5
Method:	H135-Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	Los Angeles

Name:	SHELL SERVICE STATION
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406519
Year:	2003
GEPAID:	CAR000125880
Contact:	J. Traylor/ENV REPORTING ANALYST
Telephone:	7132416992
Mailing Name:	Not reported
Mailing Address:	PO BOX 3127
Mailing City,St,Zip:	HOUSTON, TX 772530000
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.231
CA Waste Code:	134-Aqueous solution with total organic residues less than 10 percent
Method:	T01-Treatment, Tank
Facility County:	Los Angeles

Name:	SHELL SERVICE STATION
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406519
Year:	2003

SHELL SERVICE STATION (Continued) **1006805324**

GEPAID: CAR000125880
Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO BOX 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.05
CA Waste Code: 352-Other organic solids
Method: H01-Transfer Station
Facility County: Los Angeles

Name: SHELL SERVICE STATION
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 906406519
Year: 2002
GEPAID: CAR000125880
Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO BOX 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.168
CA Waste Code: 134-Aqueous solution with total organic residues less than 10 percent
Method: T01-Treatment, Tank
Facility County: Los Angeles

Name: SHELL SERVICE STATION
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 906406519
Year: 2002
GEPAID: CAR000125880
Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO BOX 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 1.35108
CA Waste Code: 241-Tank bottom waste
Method: T01-Treatment, Tank
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

CERS:
Name: SHELL SERVICE STATION
Address: 7825 TELEGRAPH RD.
City,State,Zip: MONTEBELLO, CA 90640

SHELL SERVICE STATION (Continued) **1006805324**

Site ID: 238904
CERS ID: T0603748010
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TIM SMITH - 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: 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

F47 **ARTS AUTO CARE** **SWEEPS UST** **S103392663**
NNE **782 K TELEGRAPH** **HIST UST** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640** **LOS ANGELES CO. HMS**
0.178 mi.
938 ft. **Site 11 of 15 in cluster F**

Relative: **Higher**
Actual: **156 ft.**

SWEEPS UST:
Name: SHELL SERV STA
Address: 7825 E TELEGRAPH RD
City: MONTEBELLO
Status: Active
Comp Number: 9491
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009491-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Name: SHELL SERV STA
Address: 7825 E TELEGRAPH RD
City: MONTEBELLO
Status: Active
Comp Number: 9491

ARTS AUTO CARE (Continued) **S103392663**

Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009491-000002
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: SHELL SERV STA
Address: 7825 E TELEGRAPH RD
City: MONTEBELLO
Status: Active
Comp Number: 9491
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009491-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: SHELL SERV STA
Address: 7825 E TELEGRAPH RD
City: MONTEBELLO
Status: Active
Comp Number: 9491
Number: 9
Board Of Equalization: 44-000074
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-009491-000004
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: ARTS AUTO CARE

ARTS AUTO CARE (Continued) **S103392663**

Address:	782 K TELEGRAPH
City,State,Zip:	MONTEBELLO, CA 90640
File Number:	000285B4
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000285B4.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
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:

Name:	ART'S SHELL
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406519
Region:	LA
Permit Category:	T
Facility Id:	009659-026309
Facility Type:	0
Facility Status:	Closed
Area:	3H
Permit Number:	000227626
Permit Status:	Closed

F48 **SHELL #204-5100-0408** **LUST** **S103672138**
NNE **7825 TELEGRAPH** **HIST CORTESE** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640** **CERS**
0.178 mi.
938 ft. **Site 12 of 15 in cluster F**

Relative:
Higher

Actual:
156 ft.

LUST:

Name:	SHELL #204-5100-0408
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703431
Global Id:	T0603703431
Latitude:	33.975538
Longitude:	-118.12364
Status:	Completed - Case Closed
Status Date:	06/02/1993

SHELL #204-5100-0408 (Continued) **S103672138**

Case Worker: JOA
RB Case Number: I-09491
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: T0603703431
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: T0603703431
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: T0603703431
Action Type: Other
Date: 11/27/1990
Action: Leak Discovery

Global Id: T0603703431
Action Type: Other
Date: 11/27/1990
Action: Leak Stopped

Global Id: T0603703431
Action Type: Other
Date: 12/20/1990
Action: Leak Reported

LUST:
Global Id: T0603703431
Status: Open - Case Begin Date
Status Date: 11/27/1990

Global Id: T0603703431
Status: Open - Site Assessment
Status Date: 12/20/1990

Global Id: T0603703431
Status: Completed - Case Closed
Status Date: 06/02/1993

SHELL #204-5100-0408 (Continued) **S103672138**

Name:	SHELL SERVICE STATION
Address:	7825 TELEGRAPH RD.
City,State,Zip:	MONTEBELLO, CA 90640
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603748010
Global Id:	T0603748010
Latitude:	33.975549
Longitude:	-118.12364
Status:	Completed - Case Closed
Status Date:	12/13/2004
Case Worker:	CET
RB Case Number:	I-09491A
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603748010
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

Global Id:	T0603748010
Contact Type:	Local Agency Caseworker
Contact Name:	TIM SMITH
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	tsmith@dpw.lacounty.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603748010
Action Type:	ENFORCEMENT
Date:	08/11/2003
Action:	Staff Letter

Global Id:	T0603748010
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly

Global Id:	T0603748010
Action Type:	RESPONSE
Date:	10/20/2003
Action:	Monitoring Report - Quarterly

Global Id:	T0603748010
Action Type:	ENFORCEMENT

SHELL #204-5100-0408 (Continued) **S103672138**

Date: 12/13/2004
Action: Closure/No Further Action Letter

Global Id: T0603748010
Action Type: ENFORCEMENT
Date: 12/10/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603748010
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603748010
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603748010
Action Type: RESPONSE
Date: 09/11/2003
Action: Other Report / Document

Global Id: T0603748010
Action Type: Other
Date: 10/23/2002
Action: Leak Discovery

Global Id: T0603748010
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603748010
Action Type: RESPONSE
Date: 06/10/2004
Action: Request for Closure

Global Id: T0603748010
Action Type: Other
Date: 10/23/2002
Action: Leak Reported

LUST:
Global Id: T0603748010
Status: Open - Case Begin Date
Status Date: 10/23/2002

Global Id: T0603748010
Status: Open - Site Assessment
Status Date: 10/23/2002

Global Id: T0603748010
Status: Open - Site Assessment
Status Date: 03/26/2003

Global Id: T0603748010

SHELL #204-5100-0408 (Continued) **S103672138**

Status: Completed - Case Closed
Status Date: 12/13/2004

Name: SHELL SERVICE STATION FORMER
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603735274
Global Id: T0603735274
Latitude: 33.975549
Longitude: -118.12364
Status: Completed - Case Closed
Status Date: 02/25/2010
Case Worker: NB
RB Case Number: I-09491B
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: 009659-026309
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603735274
Contact Type: Local Agency Caseworker
Contact Name: MANUEL R REGALADO
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: mregalad@dpw.lacounty.gov
Phone Number: Not reported

Global Id: T0603735274
Contact Type: Regional Board Caseworker
Contact Name: NHAN BAO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: nbao@waterboards.ca.gov
Phone Number: 2135766703

LUST:
Global Id: T0603735274
Action Type: ENFORCEMENT
Date: 03/30/2009
Action: Staff Letter

Global Id: T0603735274
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603735274
Action Type: RESPONSE
Date: 04/15/2009

SHELL #204-5100-0408 (Continued) **S103672138**

Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 05/15/2009
Action: Soil and Water Investigation Workplan

Global Id: T0603735274
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Notification - Preclosure

Global Id: T0603735274
Action Type: ENFORCEMENT
Date: 02/25/2010
Action: Closure/No Further Action Letter

Global Id: T0603735274
Action Type: Other
Date: 08/19/2002
Action: Leak Discovery

Global Id: T0603735274
Action Type: REMEDIATION
Date: 01/23/2007
Action: Not reported

Global Id: T0603735274
Action Type: ENFORCEMENT
Date: 04/23/2007
Action: Staff Letter

Global Id: T0603735274
Action Type: ENFORCEMENT
Date: 02/15/2008
Action: Staff Letter

Global Id: T0603735274
Action Type: Other
Date: 03/01/2005
Action: Leak Reported

Global Id: T0603735274
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 05/15/2007
Action: Other Report / Document

Global Id: T0603735274
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

SHELL #204-5100-0408 (Continued) **S103672138**

Global Id: T0603735274
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 04/23/2007
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 04/15/2008
Action: Other Workplan

Global Id: T0603735274
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603735274
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0603735274
Status: Open - Case Begin Date
Status Date: 08/19/2002

Global Id: T0603735274
Status: Open - Site Assessment
Status Date: 01/23/2007

Global Id: T0603735274
Status: Open - Site Assessment
Status Date: 03/30/2009

Global Id: T0603735274
Status: Open - Verification Monitoring
Status Date: 01/21/2010

SHELL #204-5100-0408 (Continued) **S103672138**

Global Id: T0603735274
Status: Completed - Case Closed
Status Date: 02/25/2010

HIST CORTESE:
edr_fname: SHELL #204-5100-0408
edr_fadd1: 7825 TELEGRAPH
City,State,Zip: MONTEBELLO, CA 90640
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09491

CERS:
Name: SHELL SERVICE STATION FORMER
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 200925
CERS ID: T0603735274
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: MANUEL R REGALADO - 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: NHAN BAO - 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: 2135766703

Name: SHELL #204-5100-0408
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 259813
CERS ID: T0603703431
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
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

SHELL #204-5100-0408 (Continued) **S103672138**

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

F49 **SHELL #204-5100-0408** **LUST** **S102437044**
NNE **7825 TELEGRAPH RD** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640**
0.178 mi.
938 ft. **Site 13 of 15 in cluster F**

Relative: **Higher**

Actual: **156 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09491	
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:	T0603703431	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	SLAUSON AVE.	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/27/1990	
Date Leak First Reported:		12/20/1990
Date Leak Record Entered:	1/24/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/27/1990	
Date Case Last Changed on Database:		6/3/1993
Date the Case was Closed:		6/2/1993
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	SALDANA, ART	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1178.010201390516352375286688 8
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		12/20/1990
Pollution Characterization Began:		Not reported

SHELL #204-5100-0408 (Continued) **S102437044**

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:	SHELL OIL CO.
RP Address:	P.O. BOX 4848, ANAHEIM, 92803
Program:	LUST
Lat/Long:	33.9748246 / -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

F50 **ART'S AUTO CARE** **CERS HAZ WASTE** **S113796316**
NNE **7825 TELEGRAPH RD** **CERS TANKS** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640** **HAZNET**
0.178 mi. **LOS ANGELES CO. HMS**
938 ft. **Site 14 of 15 in cluster F** **CERS**

Relative: Higher

Actual: 156 ft.

CERS HAZ WASTE:

Name:	SUPERIOR MERCHANDISE, INC
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	93500
CERS ID:	10285885
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	SUPERIOR MERCHANDISE, INC
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	93500
CERS ID:	10285885
CERS Description:	Underground Storage Tank

HAZNET:

Name:	ART'S AUTO CARE
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2013
GEPAID:	CAL000081713
Contact:	ARTURO SALDANA-PARTNER
Telephone:	3237281557
Mailing Name:	Not reported
Mailing Address:	7825 TELEGRAPH RD
Mailing City,St,Zip:	MONTEBELLO, CA 906406519

ART'S AUTO CARE (Continued) **S113796316**

Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.17097
CA Waste Code:	133-Aqueous solution with total organic residues 10 percent or more
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

Name:	ART'S AUTO CARE
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2012
GEPAID:	CAL000081713
Contact:	ARTURO SALDANA-PARTNER
Telephone:	3237281557
Mailing Name:	Not reported
Mailing Address:	7825 TELEGRAPH RD
Mailing City,St,Zip:	MONTEBELLO, CA 906406519
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Tons:	0.07089
CA Waste Code:	133-Aqueous solution with total organic residues 10 percent or more
Method:	H039-Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	Los Angeles

LOS ANGELES CO. HMS:

Name:	KQ FUELS
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 906406519
Region:	LA
Permit Category:	T
Facility Id:	009659-064792
Facility Type:	0
Facility Status:	Permit
Area:	3H
Permit Number:	000899137
Permit Status:	Permit

CERS:

Name:	SUPERIOR MERCHANDISE, INC
Address:	7825 TELEGRAPH RD
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	93500
CERS ID:	10285885
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	03-14-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 03/08/2019.

ART'S AUTO CARE (Continued) **S113796316**

Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-14-2017
Citation:	23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description:	The owner/operator has failed to obtain approval from the CUPA for a training program at an unstaffed facility and/or implement the approved training program.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	03-01-2019
Citation:	23 CCR 16 2635(e)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2635(e)(8)
Violation Description:	Failure to submit as-built plans for the location and orientation of the tanks and appurtenant piping systems for new installations and/or with the permit application.
Violation Notes:	Not reported
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-14-2017
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500

ART'S AUTO CARE (Continued) **S113796316**

Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 07-10-2014
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 09/24/2014. Log on the California Environmental Reporting System (CERS) to correct the deficiencies in the submittals. (HSC25508)
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.

ART'S AUTO CARE (Continued) **S113796316**

Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the UST.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure to maintain secondarily contained piping to allow liquid to flow into the sump in the event of a leak (i.e., failure to remove test boot).
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: 23 CCR 16 2712(b) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)
Violation Description: Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the UPA, for the life of the UST.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the CUPA or special inspector.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC

ART'S AUTO CARE (Continued) **S113796316**

Violation Date:	06-14-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Response Plan available on site.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Response Plan available on site.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-12-2015
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	03-14-2018
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program -General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 03/08/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-14-2017
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to conduct secondary containment testing, or one or more of the following requirements: Perform the test within six months of installation and every 36 months thereafter.Use a procedure that demonstrates the system works as well as at installation.Use applicable manufacturer guidelines, industry codes, engineering standard, or professional engineer approval.Performed by a certified service technician or a licensed tank tester.
Violation Notes:	Returned to compliance on 03/15/2018.

ART'S AUTO CARE (Continued) **S113796316**

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure to maintain secondarily contained piping to allow liquid to flow into the sump in the event of a leak (i.e., failure to remove test boot).
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-01-2016
Citation: 23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description: Failure to submit or update a plot plan.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16,

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Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: 23 CCR 16 2632(d)(1)(c),2641(h),2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(c),2641(h),2711(a)(8)
Violation Description: Failure to submit or maintain a current facility plot plan.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-01-2016
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the CUPA.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC

ART'S AUTO CARE (Continued) **S113796316**

Violation Date:	06-14-2017
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-14-2017
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	04-25-2014
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 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 09/24/2014. Log on the California Environmental Reporting System (CERS) to correct the deficiencies in the submittals. (HSC25508)
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-14-2017
Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 03/15/2018.

ART'S AUTO CARE (Continued) **S113796316**

Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the Annual Monitoring System Certification Form to the CUPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 04-25-2014
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 07/10/2014. Provide manifests for all hazardous waste disposals for the last 3 years. These were not available for review.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description: Failure to submit, maintain, or implement an owner/operator written agreement.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-01-2016

ART'S AUTO CARE (Continued) **S113796316**

Citation:	23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description:	Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	03-14-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 03/08/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-12-2015
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to submit statement of UST compliance and/or Designated Operator certification.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500

ART'S AUTO CARE (Continued) **S113796316**

Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	03-14-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 03/08/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure to maintain secondarily contained piping to allow liquid to flow into the sump in the event of a leak (i.e., failure to remove test boot).
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-12-2015
Citation:	23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description:	The owner/operator has failed to obtain approval from the CUPA for a training program at an unstaffed facility and/or implement the approved training program.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Violation Date:	06-01-2016
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

ART'S AUTO CARE (Continued) **S113796316**

Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to maintain on site an approved monitoring plan.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)

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Violation Description: Failure to report program data electronically.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 03-14-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/08/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description: Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-12-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 03/15/2018.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 93500
Site Name: SUPERIOR MERCHANDISE, INC
Violation Date: 06-14-2017

ART'S AUTO CARE (Continued) **S113796316**

Citation:	23 CCR 16 2715(f)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(3)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 03/15/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	10-19-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UNABLE TO WITNESS SOIL SAMPLING.STILL TRIPLE RINSING TANK @ 11:00 AM REVIEWED SAMPLE LOCATIONS WITH PROJECT SUPERINTENDENT.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ART SALDANA, OWNER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Arturo Saldana, Owner
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-03-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Arturo Saldana, Owner
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	03-01-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	DISCREPANCIES FROM 11/6/18 APPROVED PLANS: UST AND PIPING CONFIGURATION,XERXES SUMPS(NOT CNI),LOCATION OF ANNULAR SPACE SENSOR;NOTICE
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

ART'S AUTO CARE (Continued) **S113796316**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC ISSUED FOR CHANGE IN OWNERSHIP.CERS CORRECTION FACILITY INFO, TANK INFO,TANK PLOT PLAN,MONITORING PLAN.CTLS/SB989 06/14/17.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-25-2014
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:	04-25-2014
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:	Compliance Evaluation Inspection
Eval Date:	05-10-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Art Saldana, Person in charge
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Art Saldana, Person in Charge
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-01-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC ISSUED FOR SUBMITTING 2013-15 CTLS,2014 SB989,CERS CORRECTIONS, SW TANK DW PIPING CANNOT DRAIN TO SUMP.TEST PORT AT 12 O'CLOCK
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection

ART'S AUTO CARE (Continued) **S113796316**

Eval Date:	06-12-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC ISSUED FOR NO CERS SUBMITTAL AND TO SUBMIT 2013/2014 CTLS AND 2013 SB989.CTLS 06/12/15.0.2 GPH CSLD SW TANK 1-3.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-15-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC FOR TEST PORTS AT 12'O CLOCK POSITION.SB989 EXPIRED 6/12/17. EMPLYE TRNG EXPIRED,FAILED TO SUBMIT CTLS/SB989,MISSING DOC IN CERS.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-10-2014
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:	07-10-2014
Violations Found:	Yes
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:	09-24-2014
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:	10-11-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	PERM REMOVAL OF 4 TANKS:PID READING 2-7,NO VISUAL CONTAMINATION OBSERVED;SAMPLE TAKEN @ 24-48" @ TANK INVERT;W/O TANK NOT REMOVED TODAY.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

ART'S AUTO CARE (Continued) **S113796316**

Enforcement Action:

Site ID:	93500
Site Name:	SUPERIOR MERCHANDISE, INC
Site Address:	7825 TELEGRAPH RD
Site City:	MONTEBELLO
Site Zip:	90640
Enf Action Date:	04-25-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Los Angeles County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	SUPERIOR MERCHANDISE, 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:	(323) 728-1557
Affiliation Type Desc:	Parent Corporation
Entity Name:	OPULENS 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:	UST Tank Operator
Entity Name:	SUPERIOR MERCHANDISE, INC
Entity Title:	Not reported
Affiliation Address:	7825 TELEGRAPH RD
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 728-1557
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) 890-4045
Affiliation Type Desc:	Environmental Contact

ART'S AUTO CARE (Continued) **S113796316**

Entity Name:	JIMMY KONG
Entity Title:	Not reported
Affiliation Address:	564 BROOKLINE PL
Affiliation City:	FULLERTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92835
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Susan Kim
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:	UST Property Owner Name
Entity Name:	SUPERIOR MERCHANDISE, INC
Entity Title:	Not reported
Affiliation Address:	7825 TELEGRAPH RD
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 728-1557
Affiliation Type Desc:	Legal Owner
Entity Name:	SUSAN KIM
Entity Title:	Not reported
Affiliation Address:	7825 TELEGRAPH RD
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 728-1557
Affiliation Type Desc:	UST Tank Owner
Entity Name:	SUPERIOR MERCHANDISE, INC
Entity Title:	Not reported
Affiliation Address:	7825 TELEGRAPH RD
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 728-1557
Affiliation Type Desc:	Document Preparer
Entity Name:	SUSAN KIM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

ART'S AUTO CARE (Continued) **S113796316**

Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 7825 TELEGRAPH RD
Affiliation City: MONTEBELLO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90640
Affiliation Phone: Not reported

F51 **ART'S AUTO CARE - VALERO** **UST** **U003984078**
NNE **7825 TELEGRAPH RD** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640**
0.178 mi.
938 ft. **Site 15 of 15 in cluster F**

Relative: UST:
Higher
Actual: Name: SUPERIOR MERCHANDISE, INC
156 ft. Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: LACoFA0026145
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.97554
Longitude: -118.12363

Name: ART'S SHELL
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: 26309
Permitting Agency: LOS ANGELES COUNTY
Latitude: 33.977156
Longitude: -118.1230302

Name: ART'S AUTO CARE - VALERO
Address: 7825 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: LACoFA0026145
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.97554
Longitude: -118.12363

---

52 **TOMADOUR ENGINE COMPANY(FORMER)** **ENVIROSTOR** **S106843367**
NW **7171 WATCHER ST.** **LA Co. Site Mitigation** **N/A**
1/8-1/4 **COMMERCE, CA 90040**
0.186 mi.
984 ft.

Relative: ENVIROSTOR:
Higher
Actual: Name: TOMADOUR ENGINE COMPANY(FORMER)
153 ft. Address: 7171 WATCHER ST.
City,State,Zip: COMMERCE, CA 90040
Facility ID: 19350474
Status: Refer: 1248 Local Agency

TOMADOUR ENGINE COMPANY(FORMER) (Continued) **S106843367**

Status Date: 07/25/2003
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 58
Senate: 32
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.97514
Longitude: -118.1286
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19350474
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

LA Co. Site Mitigation:
Name: TOMADUR ENGINE COMPANY
Address: 7171 WATCHER ST
City,State,Zip: COMMERCE, CA 90040
Facility ID: Not reported
Status: Not reported
Site ID: SD0000058
Jurisdiction: County
Case ID: RO0000053
Abated: Yes
Assigned To: Kim Clark
Entered Date: 07/30/2003
Abated Date: 07/18/2012

53 CARDLOCK FUELS SYSTEMS **LUST U003778082**
ENE 7799 TELEGRAPH RD **UST N/A**
1/8-1/4 MONTEBELLO, CA 90640 **CERS**
0.201 mi.
1063 ft.

Relative: Higher

Actual: 155 ft.

LUST:

Name:	CARDLOCK FUELS SYSTEM, INC
Address:	7799 TELEGRAPH RD
City,State,Zip:	PICO RIVERA, CA 90660
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603780471
Global Id:	T0603780471
Latitude:	33.974399
Longitude:	-118.122318
Status:	Completed - Case Closed
Status Date:	05/15/2013
Case Worker:	NC
RB Case Number:	R-26625
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:	T0603780471
Contact Type:	Regional Board Caseworker
Contact Name:	NOMAN CHOWDHURY
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	nchowdhury@waterboards.ca.gov
Phone Number:	2135766704

Global Id:	T0603780471
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

LUST:

Global Id:	T0603780471
Action Type:	Other
Date:	05/12/1999
Action:	Leak Discovery

Global Id:	T0603780471
Action Type:	ENFORCEMENT
Date:	09/12/2011
Action:	Referral to Regional Board

Global Id:	T0603780471
Action Type:	RESPONSE

CARDLOCK FUELS SYSTEMS (Continued) **U003778082**

Date: 01/15/2012
Action: Other Report / Document

Global Id: T0603780471
Action Type: ENFORCEMENT
Date: 11/01/2011
Action: Staff Letter

Global Id: T0603780471
Action Type: REMEDIATION
Date: 04/19/1999
Action: Excavation

Global Id: T0603780471
Action Type: Other
Date: 05/12/1999
Action: Leak Reported

Global Id: T0603780471
Action Type: ENFORCEMENT
Date: 05/15/2013
Action: Closure/No Further Action Letter

Global Id: T0603780471
Action Type: RESPONSE
Date: 07/15/2013
Action: Well Destruction Report

Global Id: T0603780471
Action Type: ENFORCEMENT
Date: 03/14/2013
Action: Notification - Preclosure

LUST:
Global Id: T0603780471
Status: Open - Case Begin Date
Status Date: 05/12/1999

Global Id: T0603780471
Status: Open - Site Assessment
Status Date: 11/01/2011

Global Id: T0603780471
Status: Open - Eligible for Closure
Status Date: 12/28/2012

Global Id: T0603780471
Status: Completed - Case Closed
Status Date: 05/15/2013

UST:
Name: CARDLOCK FUELS SYSTEM INC
Address: 7799 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: 26625

CARDLOCK FUELS SYSTEMS (Continued) **U003778082**

Permitting Agency: LOS ANGELES COUNTY
Latitude: 33.9757652
Longitude: -118.121123

Name: CARDLOCK FUELS SYSTEMS
Address: 7799 TELEGRAPH RD
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: LACoFA0026107
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.97573
Longitude: -118.12426

CERS:
Name: CARDLOCK FUELS SYSTEM, INC
Address: 7799 TELEGRAPH RD
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 248138
CERS ID: T0603780471
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: NOMAN CHOWDHURY - 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: 2135766704

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

54
SSW
1/8-1/4
0.202 mi.
1065 ft.

CHRIS COMLEY **RCRA NonGen / NLR** **1024750048**
8813 GUATEMALA AVE **CAC002969836**
DOWNEY, CA 90240

Relative:
Lower

Actual:
142 ft.

RCRA NonGen / NLR:
Date form received by agency: 07/07/2018
Facility name: CHRIS COMLEY
Facility address: 8813 GUATEMALA AVE
DOWNEY, CA 90240
EPA ID: CAC002969836
Contact: CHRIS COMLEY
Contact address: 8813 GUATEMALA AVE NONE
DOWNEY C, CA 90240
Contact country: Not reported

CHRIS COMLEY (Continued) **1024750048**

Contact telephone: 909-471-2671
Contact email: CHRISCOMLEY87@YAHOO.COM
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: CHRIS COMLEY
Owner/operator address: 8813 GUATEMALA AVE NONE
DOWNEY, CA 90240
Owner/operator country: Not reported
Owner/operator telephone: 909-471-2671
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHRIS COMLEY
Owner/operator address: 8813 GUATEMALA AVE NONE
DOWNEY C, CA 90240
Owner/operator country: Not reported
Owner/operator telephone: 909-471-2671
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

55
SSE
1/8-1/4
0.219 mi.
1154 ft.

ERIK HUERTA
7727 BOTANY STREET
DOWNEY, CA 90240

RCRA NonGen / NLR

1024748220
CAC002967999

Relative:
Lower

Actual:
143 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/25/2018
Facility name:	ERIK HUERTA
Facility address:	7727 BOTANY STREET DOWNEY, CA 90240
EPA ID:	CAC002967999
Contact:	ERIK HUERTA
Contact address:	7727 BOTANY STREET DOWNEY, CA 90240
Contact country:	Not reported
Contact telephone:	213-956-9354
Contact email:	KARISSASERNA99@GMAIL.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ERIK HUERTA
Owner/operator address:	7727 BOTANY STREET DOWNEY, CA 90240
Owner/operator country:	Not reported
Owner/operator telephone:	213-956-9354
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ERIK HUERTA
Owner/operator address:	7727 BOTANY STREET DOWNEY, CA 90240
Owner/operator country:	Not reported
Owner/operator telephone:	213-956-9354
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

ERIK HUERTA (Continued) **1024748220**

Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

H56 **L.A.C.M.T.A.** **RCRA NonGen / NLR** **1024782675**
East **7878 TELEGRAPH ROAD** **CAD980813869**
1/8-1/4 **DOWNEY, CA 90022**
0.223 mi.
1179 ft. **Site 1 of 7 in cluster H**

Relative:
Lower

Actual:
146 ft.

RCRA NonGen / NLR:

Date form received by agency:	07/10/2018
Facility name:	L.A.C.M.T.A.
Facility address:	7878 TELEGRAPH ROAD DOWNEY, CA 90022-0000
EPA ID:	CAD980813869
Mailing address:	GATEWAY PLAZA 30-2-1 LOS ANGELES, CA 90012
Contact:	ROGER W UHDEN
Contact address:	GATEWAY PLAZA 30-2-1 LOS ANGELES, CA 90012
Contact country:	US
Contact telephone:	213-922-5848
Contact email:	UHDENR@METRO.NET
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ROGER UHDEN
Owner/operator address:	GATEWAY PLAZA 30-2-1 LOS ANGELES, CA 90012
Owner/operator country:	US
Owner/operator telephone:	213-922-5848
Owner/operator email:	UHDENR@METRO.NET
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	County
Owner/Operator Type:	Operator
Owner/Op start date:	03/28/2011
Owner/Op end date:	Not reported
Owner/operator name:	JAMES JIMENEZ
Owner/operator address:	470 BAUCHET STREET LOS ANGELES, CA 90012
Owner/operator country:	Not reported
Owner/operator telephone:	213-922-5870
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Other

L.A.C.M.T.A. (Continued) **1024782675**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LOS ANGELES COUNTY METROPOLITAN TRANSIT AUTHORITY
Owner/operator address: GATEWAY PLAZA 30-2-1
LOS ANGELES, CA 90012
Owner/operator country: US
Owner/operator telephone: 213-922-5848
Owner/operator email: UHDENR@METRO.NET
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: 05/10/1983
Owner/Op end date: Not reported

Owner/operator name: LACMTA EBLEE
Owner/operator address: ONE GATEWAY PLAZA
LOS ANGELES, CA 90012
Owner/operator country: Not reported
Owner/operator telephone: 213-922-5870
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/17/1983
Site name: L.A.C.M.T.A.
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

L.A.C.M.T.A. (Continued) **1024782675**

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 352
. Waste name: Other organic solids

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

H57 **DIVISION 4-DOWNEY** **HIST UST** **U001562875**
East **7878 TELEGRAPH RD** **NPDES** **N/A**
1/8-1/4 **DOWNEY, CA 90240** **WDS**
0.223 mi. **CIWQS**
1179 ft. **Site 2 of 7 in cluster H** **CERS**

Relative:
Lower

Actual:
146 ft.

HIST UST:

Name:	DIVISION 4-DOWNEY
Address:	7878 TELEGRAPH RD
City,State,Zip:	DOWNEY, CA 90240
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000033818
Facility Type:	Other
Other Type:	BUS MAINTENANCE
Contact Name:	Not reported
Telephone:	2132372033
Owner Name:	SOUTHERN CALIFORNIA RAPID TRAN
Owner Address:	425 S. MAIN STREET
Owner City,St,Zip:	LOS ANGELES, CA 90013
Total Tanks:	0001
Tank Num:	001
Container Num:	TK-1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

NPDES:

Name:	METRO DIVISION 4
Address:	7878 TELEGRAPH RD
City,State,Zip:	DOWNEY, CA 90240
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:	4 19I000489
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported

DIVISION 4-DOWNEY (Continued) **U001562875**

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:	Active
Status Date:	03/13/1992
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188620
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I000489
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported

DIVISION 4-DOWNEY (Continued) **U001562875**

Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188620
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I000489
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active

DIVISION 4-DOWNEY (Continued) **U001562875**

Status Date:	03/13/1992
Place Size:	9
Place Size Unit:	Acres
Contact:	Tom Kefalas
Contact Title:	Not reported
Contact Phone:	213-922-4887
Contact Phone Ext:	Not reported
Contact Email:	kefalast@metro.net
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Tom Kefalas
Operator Contact Title:	Not reported
Operator Contact Phone:	213-922-4887
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kefalast@metro.net
Operator Type:	County Agency
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	rio hondo river
Certifier:	Emmanuel Liban
Certifier Title:	Deputy Executive Officer, Environment
Certification Date:	30-JUN-15
Primary Sic:	4111-Local and Suburban Transit
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	METRO DIVISION 4
Address:	7878 TELEGRAPH RD

DIVISION 4-DOWNEY (Continued) **U001562875**

City,State,Zip:	DOWNEY, CA 90240
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	188620
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I000489
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	188620
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I000489
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles County Metropolitan Transportation Authority
Discharge Address:	One Gateway Plaza MS 99 17 2
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90012
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported

DIVISION 4-DOWNEY (Continued) **U001562875**

Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188620
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I000489
Program Type:	Not reported

DIVISION 4-DOWNEY (Continued) **U001562875**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	9
Place Size Unit:	Acres
Contact:	Tom Kefalas
Contact Title:	Not reported
Contact Phone:	213-922-4887
Contact Phone Ext:	Not reported
Contact Email:	kefalast@metro.net
Operator Name:	Los Angeles County Metropolitan Transportation Authority
Operator Address:	One Gateway Plaza MS 99 17 2
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90012
Operator Contact:	Tom Kefalas
Operator Contact Title:	Not reported
Operator Contact Phone:	213-922-4887
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kefalast@metro.net
Operator Type:	County Agency
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported

DIVISION 4-DOWNEY (Continued) **U001562875**

Dir Discharge Uswater Ind:	N
Receiving Water Name:	rio hondo river
Certifier:	Emmanuel Liban
Certifier Title:	Deputy Executive Officer, Environment
Certification Date:	30-JUN-15
Primary Sic:	4111-Local and Suburban Transit
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	LA CO METRO TRANS AUTH DIV 4
Address:	7878 Telegraph Rd
City:	DOWNEY
Facility ID:	4 19I000489
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2139226304
Facility Contact:	MORTON RICHARD
Agency Name:	LA CO METRO TRANS AUTH
Agency Address:	1 Gateway Plz
Agency City,St,Zip:	Los Angeles 900122952
Agency Contact:	URBAN BEN
Agency Telephone:	2139224714
Agency Type:	?
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or

DIVISION 4-DOWNEY (Continued) **U001562875**

dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	METRO DIVISION 4
Address:	7878 TELEGRAPH RD
City,State,Zip:	DOWNEY, CA 90240
Agency:	Los Angeles County Metropolitan Transportation Authority
Agency Address:	One Gateway Plaza MS 99 17 2, Los Angeles, CA 90012
Place/Project Type:	Industrial - Local and Suburban Transit
SIC/NAICS:	4111
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I000489
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/13/1992
Termination Date:	Not reported
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:	33.97145
Longitude:	-118.11986

CERS:

Name:	METRO DIVISION 4
Address:	7878 TELEGRAPH RD
City,State,Zip:	DOWNEY, CA 90240
Site ID:	536856
CERS ID:	235788
CERS Description:	Industrial Facility Storm Water

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-08-2002
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	After reviewing LA county, Metro Transportation SWPPP, monitoring date and inspecting the facility, staff observed no violations.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Los Angeles County Metropolitan Transportation Authority
Entity Title:	Operator
Affiliation Address:	One Gateway Plaza MS 99 17 2
Affiliation City:	Los Angeles

DIVISION 4-DOWNEY (Continued) **U001562875**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: Not reported

H58 **LA CO MTA** **UST** **U003776687**
East **7878 TELEGRAPH RD** **N/A**
1/8-1/4 **DOWNEY, CA 90240**
0.223 mi.
1179 ft. **Site 3 of 7 in cluster H**

Relative: **Lower**
Actual: **146 ft.**

UST:
Name: LA CO MTA
Address: 7878 TELEGRAPH RD
City,State,Zip: DOWNEY, CA 90240
Facility ID: 10111
Permitting Agency: LOS ANGELES COUNTY
Latitude: 33.972468
Longitude: -118.119785

H59 **LA CO MTA** **UST** **U004265613**
East **7878 E TELEGRAPH RD** **N/A**
1/8-1/4 **DOWNEY, CA 90240**
0.223 mi.
1179 ft. **Site 4 of 7 in cluster H**

Relative: **Lower**
Actual: **146 ft.**

UST:
Name: LA CO MTA
Address: 7878 E TELEGRAPH RD
City,State,Zip: DOWNEY, CA 90240
Facility ID: LACoFA0026060
Permitting Agency: Los Angeles County Fire Department
Latitude: 33.97112
Longitude: -118.12113

H60 **DIVISION 4-DOWNEY** **CERS HAZ WASTE** **S101585062**
East **7878 TELEGRAPH ROAD** **SWEEPS UST** **N/A**
1/8-1/4 **DOWNEY, CA 90240** **HIST UST**
0.223 mi. **CA FID UST**
1179 ft. **Site 5 of 7 in cluster H** **LOS ANGELES CO. HMS**
CERS

Relative: **Lower**
Actual: **146 ft.**

CERS HAZ WASTE:
Name: LA CO MTA
Address: 7878 E TELEGRAPH RD
City,State,Zip: DOWNEY, CA 90240
Site ID: 42544
CERS ID: 10304428
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: SO CAL RAPID TRANSIT DISTRICT
Address: 7878 E TELEGRAPH RD

DIVISION 4-DOWNEY (Continued) **S101585062**

City: DOWNEY
Status: Active
Comp Number: 10111
Number: 9
Board Of Equalization: 44-008710
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010111-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

HIST UST:
Name: DIVISION 4-DOWNEY
Address: 7878 TELEGRAPH ROAD
City,State,Zip: DOWNEY, CA 90240
File Number: 00028762
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028762.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
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19019197
Regulated By: UTNKA
Regulated ID: 00033818
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 425 S MAIN ST
Mailing Address 2: Not reported

DIVISION 4-DOWNEY (Continued) **S101585062**

Mailing City,St,Zip: DOWNEY
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

LOS ANGELES CO. HMS:
Name: LOS ANGELES COUNTY MTA DIV# 04
Address: 7878 TELEGRAPH RD
City,State,Zip: DOWNEY, CA 902402137
Region: LA
Permit Category: T
Facility Id: 010232-010111
Facility Type: 0
Facility Status: Permit
Area: 1F
Permit Number: 00001564T
Permit Status: Permit

CERS:
Name: LA CO MTA
Address: 7878 E TELEGRAPH RD
City,State,Zip: DOWNEY, CA 90240
Site ID: 42544
CERS ID: 10304428
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 42544
Site Name: LA CO MTA
Violation Date: 09-24-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 09-24-2018
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the UPA within 30 days after the test.
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544

DIVISION 4-DOWNEY (Continued) **S101585062**

Site Name: LA CO MTA
Violation Date: 04-20-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 04-20-2018
Citation: 23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description: Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 04-20-2018
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 04-20-2018
Citation: 23 CCR 16 2715(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 09-02-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 09/26/2016.

DIVISION 4-DOWNEY (Continued) **S101585062**

Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-02-2015
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	The owner/operator has failed to designate an UST operator or to inform the CUPA or any change in the designated UST operator(s) within 30 days after a change.
Violation Notes:	Returned to compliance on 09/26/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	23 CCR 16 2712(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(f)
Violation Description:	Failure to implement the corrections specified in the inspection report within 30 calendar days of receiving an inspection report from either the UPA or special inspector.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the Annual Monitoring System Certification Form to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter

DIVISION 4-DOWNEY (Continued) **S101585062**

	16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	04-20-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA

DIVISION 4-DOWNEY (Continued) **S101585062**

Violation Date:	09-02-2015
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	Failure to test the spill bucket annually.
Violation Notes:	Returned to compliance on 09/26/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	04-20-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-02-2015
Citation:	23 CCR 16 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2711(a)(8)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate plot plan.
Violation Notes:	Returned to compliance on 09/26/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-02-2015
Citation:	HSC 6.7 25284(a)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)
Violation Description:	Failure to submit, maintain, or implement an owner/operator written agreement.
Violation Notes:	Returned to compliance on 09/26/2016.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	10-03-2016

DIVISION 4-DOWNEY (Continued) **S101585062**

Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 07/03/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	10-03-2016
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 07/03/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	09-24-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	10-03-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 07/03/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	04-20-2018

DIVISION 4-DOWNEY (Continued) **S101585062**

Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have current UST Monitoring Plan available on site.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	04-20-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	04-20-2018
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to retain a copy of the permit to operate at the facility.
Violation Notes:	Returned to compliance on 05/23/2019.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	10-03-2016
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 07/03/2018.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS
Site ID:	42544
Site Name:	LA CO MTA
Violation Date:	08-29-2014
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 08/29/2014.
Violation Division:	Los Angeles County Department of Public Works
Violation Program:	UST
Violation Source:	CERS

DIVISION 4-DOWNEY (Continued) **S101585062**

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 04-20-2018
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 05/23/2019.
Violation Division: Los Angeles County Department of Public Works
Violation Program: UST
Violation Source: CERS

Site ID: 42544
Site Name: LA CO MTA
Violation Date: 11-06-2018
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: Incomplete hazmat inventory. Need to report the Class II Combusitble Liquid - Diesel Fuel in the generator day tank at 200-gallons [HSC 25507(a)(A)(1)]. Instructed business to amend and upload new hazmat inventory to CERS.
Violation Division: Downey Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-20-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CTET EXP'D,CERS CORR REQ'D,FRCT,EMP TRAINING,CUPA PERM NOT ONSITE
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-23-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: PROPER SAMPLING EQUIPMENT ONSITE. TANK REMOVED. NO STAINING OBSERVED. DOWNEY FIRE ONSITE.
Eval Division: Los Angeles County Department of Public Works
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: An inspection consent was granted by Gary Zuzuki(Manager)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

DIVISION 4-DOWNEY (Continued) **S101585062**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-29-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC:UPDATE OF RECENT UST REPORTS ON CERS REQD: COPIES OF OSDO, FRCTLTMP AND SPBK UPDATES COLLECTED FROM SITE FILE.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-03-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC-CERS,D.O.NOT VALID,DATE CERS,BUCKET TEST PAST DUE.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CERS ERRORS: LTMP, FACILTIY INFO. NO 2017 MONITORING SYSTEM DONE. OVERDUE SPILL BUCKET TEST. TRAINING LATE. MISSING MONTHLY DO TAPES.
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	NOVC-EXP CTLS,CERS CORRECT;TLS350 PANEL;420 ANN;208 SMP;NO REMOTE FILL OBSERVED ON SITE
Eval Division:	Los Angeles County Department of Public Works
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-06-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	HMRRP inspection conducted by HMS L. Kirby. Inspection consent granted by maintenance operations manager Alan Tang and Equipment Supervisor Jason Barker. Good fire access, no obstructions. Good safety culture in practice. I found the portable fire extinguishers throughout the facility to be serviced, and even the chemical storage shed?s fire protection system was actively being inspected and tested at time of site visit. Good chemical handling practices were in-place. I observed no spills. I did issue a verbal warning to simply segretate storage of oxidizing and flammable gases (e.g. Oxygen and Acetylene) [CA Fire Code ?5003.9.8; 5303.7.1]. Pertaining to CERS compliance, the submittal is in good order with a minor issue of incomplete hazmat inventory. Need to report the Class II Combusitble Liquid - Diesel Fuel in the generator day tank at 200-gallons [HSC 25507(a)(A)(1)]. Instructed business to amend and upload new hazmat inventory to CERS.

DIVISION 4-DOWNEY (Continued) **S101585062**

	Notice sent to HQ EHS.
Eval Division:	Downey Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-30-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	An inspection consent was granted by Alex Espinoza(Service Attendant Leader)
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-12-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	HMBP inspection conducted by HMS L. Kirby. CERS submittal on-file, accurate. Inspection found no significant violations. Inspection report issued. No further action required at this time.
Eval Division:	Downey Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	42544
Site Name:	LA CO MTA
Site Address:	7878 E TELEGRAPH RD
Site City:	DOWNEY
Site Zip:	90240
Enf Action Date:	11-06-2018
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Downey Fire Department
Enf Action Program:	HMRRP
Enf Action 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) 890-4045
Affiliation Type Desc:	Document Preparer
Entity Name:	HOAN NGUYEN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

DIVISION 4-DOWNEY (Continued) **S101585062**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	LA CO MTA
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:	COLLINS KALU
Entity Title:	Not reported
Affiliation Address:	One Gateway Plaza (MS: 99-18-6)
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	COLLINS KALU
Entity Title:	Industrial Hygiene & Safety 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
Entity Name:	LA CO MTA
Entity Title:	Not reported
Affiliation Address:	ONE GATEWAY PLAZA MS: 99-18-6
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4970
Affiliation Type Desc:	Operator
Entity Name:	DAN RAMIREZ
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:	(562) 658-0231
Affiliation Type Desc:	Property Owner
Entity Name:	LA CO MTA

DIVISION 4-DOWNEY (Continued) **S101585062**

Entity Title:	Not reported
Affiliation Address:	ONE GATEWAY PLAZA, MS 99-18-6
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 922-4970
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	ONE GATEWAY PLAZA MS 99-18-6
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	Not reported

H61 **1-DAY PAINT & BODY CENTERS** **RCRA NonGen / NLR** **1000161050**
East **7895 TELEGRAPH ROAD** **CAD981413438**
1/8-1/4 **MONTEBELLO, CA 90640**
0.235 mi.
1243 ft. **Site 6 of 7 in cluster H**

Relative:
Higher

Actual:
148 ft.

RCRA NonGen / NLR:

Date form received by agency:	05/27/1986
Facility name:	1-DAY PAINT & BODY CENTERS
Facility address:	7895 TELEGRAPH ROAD MONTEBELLO, CA 90640
EPA ID:	CAD981413438
Mailing address:	P O BOX 3037 TORRANCE, CA 90510
Contact:	ENVIRONMENTAL MANAGER
Contact address:	7895 TELEGRAPH ROAD MONTEBELLO, CA 90640
Contact country:	US
Contact telephone:	213-775-6393
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	1-DAY PAINT & BODY CENTERS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

1-DAY PAINT & BODY CENTERS (Continued) **1000161050**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

H62 **1-DAY PAINT AND BODY CENTERS INC** **RCRA NonGen / NLR** **1000161030**
East **7895 TELEGRAPH RD** **FINDS** **CAD981399264**
1/8-1/4 **MONTEBELLO, CA 90640** **ECHO**
0.235 mi.
1243 ft. **Site 7 of 7 in cluster H**

Relative:
Higher

Actual:
148 ft.

RCRA NonGen / NLR:
Date form received by agency: 04/25/1986
Facility name: 1-DAY PAINT AND BODY CENTERS INC
Facility address: 7895 TELEGRAPH RD
MONTEBELLO, CA 90640
EPA ID: CAD981399264
Mailing address: PO BOX 3037
TORRANCE, CA 90510
Contact: ENVIRONMENTAL MANAGER
Contact address: 7895 TELEGRAPH RD
MONTEBELLO, CA 90640
Contact country: US
Contact telephone: 213-775-6393
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: 1-DAY PAINT AND BODY CENTERS INC

1-DAY PAINT AND BODY CENTERS INC (Continued) **1000161030**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002693862

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.

1-DAY PAINT AND BODY CENTERS INC (Continued) **1000161030**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000161030
Registry ID:	110002693862
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002693862

I63 **ELDON GRUMBO** **SWEEPS UST** **S102060973**
NE **8040 E SLAUSON AVE** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **MONTEBELLO, CA 90640**
0.247 mi.
1303 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
152 ft.

SWEEPS UST:

Name:	ELDON GRUMBO
Address:	8040 E SLAUSON AVE
City:	MONTEBELLO
Status:	Active
Comp Number:	14778
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
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

LOS ANGELES CO. HMS:

Name:	ELDON GRUMBO
Address:	8040 E SLAUSON AVE
City,State,Zip:	MONTEBELLO, CA 90640
Region:	LA
Permit Category:	Not reported
Facility Id:	014246-014778
Facility Type:	Not reported
Facility Status:	Removed
Area:	3H
Permit Number:	Not reported
Permit Status:	Not reported

I64 **CLAUDE P. HALL TRUCKING** **HIST CORTESE** **S104159820**
NE **8105 SLAUSON** **N/A**
1/4-1/2 **MONTEBELLO, CA**
0.279 mi.
1471 ft. **Site 2 of 4 in cluster I**

Relative: **Higher**
Actual: **156 ft.**

HIST CORTESE:

edr_fname:	CLAUDE P. HALL TRUCKING
edr_fadd1:	8105 SLAUSON
City,State,Zip:	MONTEBELLO, CA
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-09720

I65 **CLAUDE P. HALL TRUCKING** **LUST** **S105032918**
NE **8105 SLAUSON AVE E** **SWEEPS UST** **N/A**
1/4-1/2 **MONTEBELLO, CA 90640** **CERS**
0.279 mi.
1471 ft. **Site 3 of 4 in cluster I**

Relative: **Higher**
Actual: **156 ft.**

LUST:

Name:	CLAUDE P. HALL TRUCKING
Address:	8105 SLAUSON AVE E
City,State,Zip:	MONTEBELLO, CA 90640
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704852
Global Id:	T0603704852
Latitude:	33.9758176
Longitude:	-118.1214794
Status:	Completed - Case Closed
Status Date:	08/25/1987
Case Worker:	JOA
RB Case Number:	R-09720
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:	T0603704852
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:	T0603704852
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

CLAUDE P. HALL TRUCKING (Continued) **S105032918**

LUST:
Global Id: T0603704852
Action Type: Other
Date: 10/30/1985
Action: Leak Discovery

Global Id: T0603704852
Action Type: Other
Date: 10/30/1985
Action: Leak Stopped

Global Id: T0603704852
Action Type: Other
Date: 10/30/1985
Action: Leak Reported

LUST:
Global Id: T0603704852
Status: Open - Case Begin Date
Status Date: 10/30/1985

Global Id: T0603704852
Status: Open - Site Assessment
Status Date: 10/30/1985

Global Id: T0603704852
Status: Completed - Case Closed
Status Date: 08/25/1987

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-09720
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704852
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 10/30/1985
Date Leak First Reported: 10/30/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: 10/30/1985
Date Leak Stopped: 10/30/1985
Date Case Last Changed on Database: 8/24/1987
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported

CLAUDE P. HALL TRUCKING (Continued) **S105032918**

Cause of Leak:	UNK
Leak Source:	UNK
Operator:	HALL, ROBERT
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	1379.824065113485990483845933 3
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:	CLAUDE P. HALL TRUCKING
RP Address:	8105 EAST SLAUSON AVENUE, MONTEBELLO, CA 90640
Program:	LUST
Lat/Long:	33.9758176 / -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:	OLD CASE #000257

SWEEPS UST:

Name:	CLAUDE P HALL TRUCKING
Address:	8105 E SLAUSON AVE
City:	MONTEBELLO
Status:	Active
Comp Number:	9720
Number:	9
Board Of Equalization:	Not reported
Referral Date:	06-30-89
Action Date:	Not reported
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

CERS:

CLAUDE P. HALL TRUCKING (Continued) **S105032918**

Name:	CLAUDE P. HALL TRUCKING
Address:	8105 SLAUSON AVE E
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	257334
CERS ID:	T0603704852
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

I66 **HEXCEL-MCI DIVISION** **WMUDS/SWAT** **1000168745**
NE **8100 E SLAUSON AVE** **RCRA NonGen / NLR** **CAD048480602**
1/4-1/2 **MONTEBELLO, CA 90640** **FINDS**
0.295 mi. **ECHO**
1558 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
154 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported

HEXCEL-MCI DIVISION (Continued) **1000168745**

Land Owner Address: Not reported
Land Owner City,St,Zip: Not reported
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 2
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: UN1
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 2 019229NUR
Solid Waste Information ID: Not reported

RCRA NonGen / NLR:
Date form received by agency: 07/14/1980
Facility name: HEXCEL-MCI DIVISION
Facility address: 8100 E SLAUSON AVE
MONTEBELLO, CA 90640
EPA ID: CAD048480602
Mailing address: E SLAUSON AVE
MONTEBELLO, CA 90640
Contact: ENVIRONMENTAL MANAGER
Contact address: 8100 E SLAUSON AVE
MONTEBELLO, CA 90640
Contact country: US
Contact telephone: 213-724-1440
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HEXCEL CORPORATION
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported

HEXCEL-MCI DIVISION (Continued) **1000168745**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002647191

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: 1000168745
Registry ID: 110002647191

HEXCEL-MCI DIVISION (Continued) **1000168745**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002647191

J67 **DONLEY BATTERY COMPANY** **LUST S105051375**
NNW **7521 SLAUSON AVE E** **CERS N/A**
1/4-1/2 **COMMERCE, CA 90040**
0.323 mi.
1708 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
160 ft.

LUST:

Name:	DONLEY BATTERY COMPANY
Address:	7521 SLAUSON AVE E
City,State,Zip:	COMMERCE, CA 90040
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703936
Global Id:	T0603703936
Latitude:	33.977275
Longitude:	-118.129496
Status:	Completed - Case Closed
Status Date:	02/09/1990
Case Worker:	JOA
RB Case Number:	I-12189
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:	T0603703936
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:	T0603703936
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:	T0603703936
Action Type:	Other
Date:	02/09/1990
Action:	Leak Reported

LUST:

Global Id:	T0603703936
Status:	Completed - Case Closed

DONLEY BATTERY COMPANY (Continued) **S105051375**

Status Date: 02/09/1990

Global Id: T0603703936
Status: Open - Case Begin Date
Status Date: 02/09/1990

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-12189	
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:	T0603703936	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	GREENWOOD AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		2/9/1990
Date Leak Record Entered:	2/5/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		2/16/1990
Date the Case was Closed:		2/9/1990
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):		1443.486940597439502756578695
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:	DONLEY BATTERY COMPANY	
RP Address:	7521 SLAUSON E AVE, CITY OF COMMERCE, CA 90040	

DONLEY BATTERY COMPANY (Continued) **S105051375**

Program:	LUST
Lat/Long:	33.9772526 / -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

CERS:

Name:	DONLEY BATTERY COMPANY
Address:	7521 SLAUSON AVE E
City,State,Zip:	COMMERCE, CA 90040
Site ID:	248349
CERS ID:	T0603703936
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

J68 **DONLEY BATTERY COMPANY** **HIST CORTESE** **S104159613**
NNW **7521 SLAUSON** **N/A**
1/4-1/2 **LOS ANGELES, CA 90040**
0.323 mi.
1708 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
160 ft.

HIST CORTESE:

edr_fname:	DONLEY BATTERY COMPANY
edr_fadd1:	7521 SLAUSON
City,State,Zip:	LOS ANGELES, CA 90040
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-12189

K69 **BANK OF AMERICA/LEASE-3** **CPS-SLIC** **S104404991**
East **7875 TELEGRAPH RD** **LA Co. Site Mitigation** **N/A**
1/4-1/2 **PICO RIVERA, CA 90660**
0.346 mi.
1826 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
146 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0783
Substance:	VOCs
Staff:	Not reported

LA Co. Site Mitigation:

Name:	BANK OF AMERICA/LEASE-3
Address:	7875 TELEGRAPH RD
City,State,Zip:	PICO RIVERA, CA 90660
Facility ID:	FA0026069
Status:	Not reported
Site ID:	SD0010544
Jurisdiction:	County
Case ID:	RO0010544
Abated:	Yes
Assigned To:	Shahin Nourishad
Entered Date:	05/11/2004
Abated Date:	02/22/1996

K70 **FLAT RATE EQUIPMENT REPAIR** **ENVIROSTOR** **S106933971**
East **7875 E TELEGRAPH RD # 103** **CPS-SLIC** **N/A**
1/4-1/2 **PICO RIVERA, CA 90660** **VCP**
0.346 mi. **CERS HAZ WASTE**
1826 ft. **Site 2 of 2 in cluster K** **SWEEPS UST**
CERS

Relative:
Lower

Actual:
146 ft.

ENVIROSTOR:

Name:	PPM III/UHLES PROPERTY
Address:	7875 E. TELEGRAPH RD
City,State,Zip:	PICO RIVERA, CA 90660
Facility ID:	19390046
Status:	Inactive - Action Required
Status Date:	06/25/1997
Site Code:	300620
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	10
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Shahir Haddad
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	58
Senate:	32
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.97203
Longitude:	-118.1188

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

APN: 6368-008-019, 6368008019
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: * HALOGENATED SOLVENTS
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: ARMOR PRESSURE VESSELS
Alias Type: Alternate Name
Alias Name: ARMOR TECHNOLOGY
Alias Type: Alternate Name
Alias Name: KAYMAR MANUFACTURING
Alias Type: Alternate Name
Alias Name: PPM III
Alias Type: Alternate Name
Alias Name: PPM III/UHLES
Alias Type: Alternate Name
Alias Name: RONALD UHLES PROPERTY
Alias Type: Alternate Name
Alias Name: 6368-008-019
Alias Type: APN
Alias Name: 6368008019
Alias Type: APN
Alias Name: 110033612151
Alias Type: EPA (FRS #)
Alias Name: 300620
Alias Type: Project Code (Site Code)
Alias Name: 19390046
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/11/1996
Comments: DTSC & PPM III (a Tennessee LTD Partnership) entered into a Vountary Cleanup Agreement to conduct a Preliminary Endangerment Assessment for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/25/1997
Comments: DTSC completed review of the PEA report for this site under a VCA. DTSC determined that further action is necessary due to VOC contamination in the soil.

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

CPS-SLIC:
Name: RON UHLES

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

Address:	7875 E. TELEGRAPH RD
City,State,Zip:	PICO RIVERA, CA 90660
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/15/1998
Global Id:	SLT43626624
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.974377
Longitude:	-118.12181
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0783
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:

VCP:

Name:	PPM III/UHLES PROPERTY
Address:	7875 E. TELEGRAPH RD
City,State,Zip:	PICO RIVERA, CA 90660
Facility ID:	19390046
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Shahir Haddad
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	300620
Assembly:	58
Senate:	32
Special Programs Code:	Voluntary Cleanup Program
Status:	Inactive - Action Required
Status Date:	06/25/1997
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.97203 / -118.1188
APN:	6368-008-019, 6368008019
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	10003
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ARMOR PRESSURE VESSELS
Alias Type:	Alternate Name
Alias Name:	ARMOR TECHNOLOGY
Alias Type:	Alternate Name
Alias Name:	KAYMAR MANUFACTURING
Alias Type:	Alternate Name

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

Alias Name: PPM III
Alias Type: Alternate Name
Alias Name: PPM III/UHLES
Alias Type: Alternate Name
Alias Name: RONALD UHLES PROPERTY
Alias Type: Alternate Name
Alias Name: 6368-008-019
Alias Type: APN
Alias Name: 6368008019
Alias Type: APN
Alias Name: 110033612151
Alias Type: EPA (FRS #)
Alias Name: 300620
Alias Type: Project Code (Site Code)
Alias Name: 19390046
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 09/11/1996
Comments: DTSC & PPM III (a Tennessee LTD Partnership) entered into a Vountary Cleanup Agreement to conduct a Preliminary Endangerment Assessment for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/25/1997
Comments: DTSC completed review of the PEA report for this site under a VCA. DTSC determined that further action is necessary due to VOC contamination in the soil.

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

CERS HAZ WASTE:
Name: FLAT RATE EQUIPMENT REPAIR
Address: 7875 E TELEGRAPH RD # 103
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 116828
CERS ID: 10281295
CERS Description: Hazardous Waste Generator

Name: RICH DOSS INC
Address: 7875 E TELEGRAPH RD # 108
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 147707
CERS ID: 10283458

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: VACANT
Address: 7875 E TELEGRAPH RD
City: PICO RIVERA
Status: Active
Comp Number: 5305
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
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

CERS:
Name: RON UHLES
Address: 7875 E. TELEGRAPH RD
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 230713
CERS ID: SLT43626624
CERS Description: Cleanup Program Site

Name: FLAT RATE EQUIPMENT REPAIR
Address: 7875 E TELEGRAPH RD # 103
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 116828
CERS ID: 10281295
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 116828
Site Name: FLAT RATE EQUIPMENT REPAIR
Violation Date: 02-18-2016
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 02/18/2016. OBSERVATION: Observed missing hazardous waste label on a 240 gallon used oil tank containing used oil. All hazardous waste containers shall be marked with the following information: 1) the words ?Hazardous Waste?; 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. Observed manager provided hazardous waste label to a 240 gallon used oil tank at the

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

	end of inspection.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Morgan Carroll (CEO) Observed no significant violation on site 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:	02-18-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Morgan Carroll (CEO)
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	OUT OF BUSINESS
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	OUT OF BUSINESS
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	MORGAN CARROLL
Entity Title:	Not reported
Affiliation Address:	PO BOX 152
Affiliation City:	LA MIRADA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90637-0152
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

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) 890-4045
Affiliation Type Desc:	Parent Corporation
Entity Name:	FLAT RATE EQUIPMENT 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
Affiliation Type Desc:	Document Preparer
Entity Name:	MORGAN CARROLL
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:	FLAT RATE EQUIPMENT REPAIR LLC
Entity Title:	Not reported
Affiliation Address:	PO BOX 152
Affiliation City:	LA MIRADA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90638
Affiliation Phone:	(562) 806-0059
Affiliation Type Desc:	Operator
Entity Name:	MORGAN CARROLL
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:	(562) 806-0059
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 152
Affiliation City:	LA MIRADA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90638
Affiliation Phone:	Not reported

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

Name: RICH DOSS INC
Address: 7875 E TELEGRAPH RD # 108
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 147707
CERS ID: 10283458
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 147707
Site Name: RICH DOSS INC
Violation Date: 09-12-2016
Citation: 40 CFR 1 265.201(c)(3) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.201(c)(3)
Violation Description: Failure to inspect hazardous waste tanks at least once each operating day for the following, when present: (1) Discharge control equipment (e.g., waste feed cutoff systems, by-pass systems, and drainage systems) to ensure that it is in good working order; (2) Data gathered from monitoring equipment (e.g., pressure and temperature gauges) to ensure that the tank is being operated according to its design; (3) The level of waste in the tank.
Violation Notes: Returned to compliance on 08/16/2017. OBSERVATION: OIL SATURATED ABSORBENT ACCUMULATION ON THE FLOOR AT WASTE OIL STORAGE AREA. 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. CORRECTIVE ACTION: Immediately CLEAN OILY ABSORBENT and manage according to Title 22 hazardous waste regulations.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 147707
Site Name: RICH DOSS INC
Violation Date: 09-12-2016
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 08/16/2017. OBSERVATION: At the time of inspection, it could not be demonstrated that employees who handle hazardous waste were properly trained. The generator must ensure that all employees who handle hazardous waste are thoroughly familiar with proper waste handling and emergency procedures. CORRECTIVE ACTION: Immediately provide training to all employees who handle hazardous waste and submit a copy of the training documentation, including (employee names, date of training, and training topics) to the CUPA.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 147707
Site Name: RICH DOSS INC
Violation Date: 09-12-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

	date.
Violation Notes:	Returned to compliance on 01/18/2018. OBSERVATION: The facility has not annually reviewed and certified that the business plan is complete, accurate, and up-to-date, as observed the following reportable materials. ONE 110-GALLON TANK MOTOR OIL AND THREE 55-GALLON DRUMS OF MOTOR OIL (MAX DAILY: 275 GALLONS, LARGEST CONTAINER: 110 GALLONS) ONE 110-GALLON USED OIL (MAX DAILY: 110 GALLONS, LARGEST CONTAINER: 110 GALLONS) TWO 330-GALLON TOTE OF DEF (MAX DAILY: 660 GALLONS, LARGEST CONTAINER: 330 GALLONS) FOUR 55-GALLON ANTI-FREEZE (MAX DAILY: 220 GALLONS, LARGEST CONTAINER: 55 GALLONS) ONE 55-GALLON USED ANTI-FREEZE (MAX DAILY: 55 GALLONS, LARGEST CONTAINER: 55 GALLONS) FOUR 250 CU FT OXYGEN (MAX DAILY: 1000 CU FT, LARGEST CONTAINER: 250 CU FT) TWO 250 CU FT ACETYLENE ((MAX DAILY: 500 CU FT, LARGEST CONTAINER: 250 CU FT) TWO 100 CU FT AR/ CO2 (MAX DAILY: 200 CU FT, LARGEST CONTAINER: 100 CU FT) THIRTY 8-GALLON PROPANE CYLINDERS (MAX DAILY: 240 GALLONS, LARGEST CONTAINER: 8 GALLONS) CORRECTIVE ACTION: [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	147707
Site Name:	RICH DOSS INC
Violation Date:	09-12-2016
Citation:	22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description:	Failure to include all required information in the tank system assessment.
Violation Notes:	Returned to compliance on 08/16/2017. OBSERVATION: 3 OPENED BULK CONTAINERS OF OIL WITHOUT COVERS. All hazardous waste containers shall be closed at all times except when adding or removing waste. CORRECTIVE ACTION: Immediately close these containers and ensure all hazardous waste containers are closed when not adding or removing waste.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	01-18-2018
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:	08-16-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Brent Miller, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

Eval General Type:	Other/Unknown
Eval Date:	08-16-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Bret Miller, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Thomas Hancik, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-12-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Thomas Hancik, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-05-2017
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

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	MATTHEW HUNZIKER
Entity Title:	VICE PRESIDENT
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:	Rich Doss, 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:	(800) 654-7200

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

Affiliation Type Desc:	Parent Corporation
Entity Name:	RICH DOSS 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:	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) 890-4045

Affiliation Type Desc:	Legal Owner
Entity Name:	RICH DOSS INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 4799
Affiliation City:	SANTA ROSA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95402
Affiliation Phone:	(562) 806-9948

Affiliation Type Desc:	Document Preparer
Entity Name:	MATTHEW HUNZIKER
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:	LUI APISALA
Entity Title:	Not reported
Affiliation Address:	7875 E TELEGRAPH RD
Affiliation City:	PICO RIVERA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90660
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7875 E TELEGRAPH RD #108
Affiliation City:	PICO RIVERA
Affiliation State:	CA
Affiliation Country:	Not reported

FLAT RATE EQUIPMENT REPAIR (Continued) **S106933971**

Affiliation Zip: 90660
Affiliation Phone: Not reported

L71 **WEST COAST RECYCLING CENTER** **SWRCY** **S119777709**
NE **1736 CHAPIN RD** **N/A**
1/4-1/2 **MONTEBELLO, CA 90640**
0.358 mi.
1889 ft. **Site 1 of 3 in cluster L**

Relative: **Higher**
Actual: **159 ft.**

SWRCY:

Name:	WEST COAST RECYCLING CENTER
Address:	1736 CHAPIN RD
City,State,Zip:	MONTEBELLO, CA 90640
Reg Id:	254919
Cert Id:	RC254919.001
Mailing Address:	357 Tangerine Pl
Mailing City:	Brea
Mailing State:	CA
Mailing Zip Code:	92823
Website:	Not reported
Email:	Not reported
Phone Number:	(714) 713-0087
Rural:	N
Operation Begin Date:	02/06/2017
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Fri 7:00 am - 4:30 pm; Sat 7:00 am - 4:00 pm; Sun Closed
Organization ID:	51573
Organization Name:	Ochoa Group Corp

L72 **BELMONT FIBERS** **LUST** **S101297541**
NE **1736 CHAPIN RD** **SWEEPS UST** **N/A**
1/4-1/2 **MONTEBELLO, CA 90640** **Cortese**
0.358 mi. **HIST CORTESE**
1889 ft. **Site 2 of 3 in cluster L** **CERS**

Relative: **Higher**
Actual: **159 ft.**

LUST:

Name:	BELMONT FIBERS
Address:	1736 CHAPIN RD
City,State,Zip:	MONTEBELLO, CA 90640
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704108
Global Id:	T0603704108
Latitude:	33.9772515
Longitude:	-118.1207004
Status:	Open - Site Assessment
Status Date:	03/10/1992
Case Worker:	AJL
RB Case Number:	I-13835
Local Agency:	LOS ANGELES COUNTY
File Location:	Regional Board
Local Case Number:	Not reported

BELMONT FIBERS (Continued) **S101297541**

Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603704108
Contact Type: Regional Board Caseworker
Contact Name: AHMAD J. LAMAA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 West 4th Street Suite 200
City: Los Angeles
Email: alamaa@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603704108
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: T0603704108
Action Type: RESPONSE
Date: 05/15/2009
Action: Other Report / Document

Global Id: T0603704108
Action Type: RESPONSE
Date: 06/15/2016
Action: Other Report / Document

Global Id: T0603704108
Action Type: ENFORCEMENT
Date: 04/25/2016
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603704108
Action Type: Other
Date: 08/22/1991
Action: Leak Discovery

Global Id: T0603704108
Action Type: ENFORCEMENT
Date: 09/22/2016
Action: Staff Letter

Global Id: T0603704108
Action Type: RESPONSE
Date: 03/08/2018
Action: Site Assessment Report

Global Id: T0603704108
Action Type: RESPONSE
Date: 03/08/2018

BELMONT FIBERS (Continued) **S101297541**

Action: Pilot Study/ Treatability Report

Global Id: T0603704108
Action Type: RESPONSE
Date: 01/31/2017
Action: Site Assessment Report

Global Id: T0603704108
Action Type: RESPONSE
Date: 09/16/2016
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0603704108
Action Type: Other
Date: 03/10/1992
Action: Leak Reported

Global Id: T0603704108
Action Type: ENFORCEMENT
Date: 04/15/2009
Action: Staff Letter

Global Id: T0603704108
Action Type: ENFORCEMENT
Date: 12/12/2017
Action: Staff Letter

LUST:
Global Id: T0603704108
Status: Open - Case Begin Date
Status Date: 08/22/1991

Global Id: T0603704108
Status: Open - Site Assessment
Status Date: 03/10/1992

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13835
Status: Preliminary site assessment underway
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704108
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: SLAUSON
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 8/22/1991
Date Leak First Reported: 3/10/1992

BELMONT FIBERS (Continued) **S101297541**

Date Leak Record Entered: 4/23/1992
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: UNK
Leak Source: UNK
Operator: YOUNG, STEVE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1632.800728901738416539220493
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 3/10/1992
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: 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: BELMONT FIBERS
RP Address: SAME AS SITE
Program: LUST
Lat/Long: 33.9772515 / -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

SWEEPS UST:
Name: BELMONT FIBER OPTICS
Address: 1736 CHAPIN RD
City: MONTEBELLO
Status: Active
Comp Number: 13835
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
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

BELMONT FIBERS (Continued) **S101297541**

Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CORTESE:
Name: BELMONT FIBERS
Address: 1736 CHAPIN RD
City,State,Zip: MONTEBELLO, CA 90640
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704108
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
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: BELMONT FIBERS
edr_fadd1: 1736 CHAPIN
City,State,Zip: MONTEBELLO, CA 90640
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-13835

CERS:
Name: BELMONT FIBERS
Address: 1736 CHAPIN RD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 242521
CERS ID: T0603704108
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

BELMONT FIBERS (Continued) **S101297541**

Affiliation Zip:	Not reported
Affiliation Phone:	6264583507
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	AHMAD J. LAMAA - 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:	Not reported

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73 **LOS ANGELES MUTUAL DAIRYMEN** **SWF/LF** **U001564784**
NNE **1701 GAGE RD** **CERS HAZ WASTE** **N/A**
1/4-1/2 **MONTEBELLO, CA 90640** **HIST UST**
0.377 mi. **CERS**
1992 ft.

Relative: **Higher**

Actual: **168 ft.**

LOS ANGELES CO. LF:

Name:	NASA SERVICES, INC.
Address:	1701 GAGE ROAD
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	244
Alt. Address:	Not reported
Site Contact:	Not reported
Site Contact Phone:	(888) 888-0388
Site Email:	lan@nasaservices.com
Site Website:	www.nasaservices.com
Site Type:	Waste Hauler
Site SWIS Number:	19-AS-0182
Beginning Operation Date:	Not reported
Ending Operation Date:	Not reported
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	Not reported
Present Use:	Not reported
Remaining Capacity(Million):	Not reported
Status:	Active
Waste Accepted:	Not reported
Hours of Operation:	Mon to Fri, 6 AM - 5 PM; Sat, 6 AM - 1 PM
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Nasa Service Inc.
Operator Address:	P O Box 1755
Operator City/State/Zip:	Montebello, CA 90640-7755
Operator Contact:	Aren Sarkisina
Operator Telephone:	(323) 888-0388
Operator Email:	jack@nasaservices.com
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

LOS ANGELES MUTUAL DAIRYMEN (Continued) **U001564784**

CERS HAZ WASTE:
Name: NASA SERVICE INC
Address: 1701 GAGE RD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 137299
CERS ID: 10268839
CERS Description: Hazardous Waste Generator

HIST UST:
Name: LOS ANGELES MUTUAL DAIRYMEN
Address: 1701 GAGE RD
City,State,Zip: MONTEBELLO, CA 90640
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000029372
Facility Type: Other
Other Type: TRUCK DEPOT
Contact Name: Not reported
Telephone: 2137240900
Owner Name: LOS ANGELES MUTUAL DAIRYMEN
Owner Address: 1701 SOUTH GAGE ROAD
Owner City,St,Zip: MONTEBELLO, CA 90640
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1966
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

CERS:
Name: NASA SERVICE INC
Address: 1701 GAGE RD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 137299
CERS ID: 10268839
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-09-2014
Violations Found: No
Eval Type: Routine done by local agency

LOS ANGELES MUTUAL DAIRYMEN (Continued) **U001564784**

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:	01-09-2014
Violations Found:	No
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:	Compliance Evaluation Inspection
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTED BY G.TO CONSENT GIVEN BY JOHN HALLADJIAN
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTED BY G.TO CONSENT GIVEN BY JOHN HALLADJIAN
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-01-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	JOHN HALLADJIAN, OPERATIOS AND SAFETY MANAGER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-01-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	JOHN HALLADJIAN, OPERATIOS AND SAFETY MANAGER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-15-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	JOHN HALLADJIAN, OPERATIONAL MANAGER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP

LOS ANGELES MUTUAL DAIRYMEN (Continued) **U001564784**

Eval Source: CERS

Coordinates:
Site ID: 137299
Facility Name: NASA SERVICE INC
Env Int Type Code: HWG
Program ID: 10268839
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 33.967000
Longitude: -118.104970

Affiliation:
Affiliation Type Desc: Operator
Entity Name: JOHN HALLADJIAN
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) 888-0388

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) 890-4045

Affiliation Type Desc: Document Preparer
Entity Name: JOHN HALLADJIAN
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: JOHN HALLADJIAN
Entity Title: Not reported
Affiliation Address: 1701 GAGE RD
Affiliation City: MONTEBELLO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90640
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: JOHN HALLADJIAN
Entity Title: MANAGER

LOS ANGELES MUTUAL DAIRYMEN (Continued) **U001564784**

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:	NASA SERVICE INC
Entity Title:	Not reported
Affiliation Address:	1701 GAGE ROAD
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90640
Affiliation Phone:	(323) 888-0388
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 1755
Affiliation City:	MONTEBELLO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90640
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	NASA SERVICE 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

L74 **CHAPIN ROAD LANDFILL** **SWF/LF** **S108742253**
NE **1749 CHAPIN ROAD** **CERS** **N/A**
1/4-1/2 **MONTEBELLO, CA 90640** **LOS ANGELES CO LF METHANE**
0.392 mi.
2070 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
162 ft.

SWF/LF (SWIS):

Name:	CHAPIN RD. LANDFILL
Address:	1749 CHAPIN ROAD
City,State,Zip:	MONTEBELLO, CA
Facility ID:	19-AA-5072
Lat/Long:	33.97721 / -118.12086
Owner Name:	Maynard W. Chapin
Owner Telephone:	7149271482
Owner Address:	Not reported
Owner Address2:	24771 Lake St, Space 226
Owner City,St,Zip:	Hemet, CA
Operational Status:	Closed
Operator:	Maynard W. Chapin
Operator Phone:	7149271482

CHAPIN ROAD LANDFILL (Continued) **S108742253**

Operator Address: Not reported
Operator Address2: 24771 Lake St, Space 226
Operator City,St,Zip: Hemet, CA
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: $0.00
Activity: Solid Waste Disposal Site
Regulation Status: Pre-regulations
Landuse Name: Urban,Commercial
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: 12/31/1950
Closure Type: Estimated
Disposal Acreage: $0.00
SWIS Num: 19-AA-5072
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 0
Actual Throughput with Units: Not reported
Permitted Capacity with Units: 0
Remaining Capacity: 0
Remaining Capacity with Units: Not reported
Lat/Long: 33.97721 / -118.12086

LOS ANGELES CO. LF:
Name: CHAPIN ROAD LANDFILL
Address: 1749 CHAPIN ROAD
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 1898
Alt. Address: 1715 Bluff Road, Montebello, CA
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: Unknown
Site SWIS Number: 19-AA-5072
Beginning Operation Date: Not reported
Ending Operation Date: Dec-50
Local Enforcement Agency: County Public Health
Maximun Depth Fill(Ft): 20
Permitted Capacity: Not reported
Present Use: Industrial
Remaining Capacity(Million): Not reported
Status: Closed
Waste Accepted: Inert; Residential
Hours of Operation: Not reported
Disposal Area (Acre): Not reported

Detail As Of 01/2014:
Operator Name: Maynard W. Chapin
Operator Address: Not reported
Operator City/State/Zip: Not reported
Operator Contact: Not reported
Operator Telephone: Not reported

CHAPIN ROAD LANDFILL (Continued) **S108742253**

Operator Email: Not reported
Owner Name: Maynard W Chapin
Owner Address: 24771 Lake Street; Space 226
Owner City/State/Zip: Helmet, CA
Owner Contact: Not reported
Owner Telephone: (714) 927-1482
Owner Email: Not reported

CERS:
Name: CHAPIN RD. LANDFILL
Address: 1749 CHAPIN ROAD
City,State,Zip: MONTEBELLO, CA
Site ID: 507651
CERS ID: 19-AA-5072
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: Maynard W. Chapin
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Hemet
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7149271482

Affiliation Type Desc: Legal Owner
Entity Name: Maynard W. Chapin
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Hemet
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7149271482

LOS ANGELES CO LF METHANE:
Name: CHAPIN ROAD LANDFILL
Address: 1749 CHAPIN ROAD
City,State,Zip: MONTEBELLO, CA 90640
Site Number: 1898
Status: Closed
Description: Unknown
Operator Name: Maynard W. Chapin
Operator Telephone: Not reported

75
NE
1/4-1/2
0.413 mi.
2179 ft.

CHAPIN ROAD LANDFILL
ALL PROPERTIES ON CHAPIN AND BLUFF ROADS
MONTEBELLO, CA 90640

ENVIROSTOR **S110042452**
N/A

Relative:
Higher

Actual:
163 ft.

ENVIROSTOR:

Name:	CHAPIN ROAD LANDFILL
Address:	ALL PROPERTIES ON CHAPIN AND BLUFF ROADS
City,State,Zip:	MONTEBELLO, CA 90640
Facility ID:	60001171
Status:	Inactive - Action Required
Status Date:	09/01/2011
Site Code:	301445
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	53
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	58
Senate:	32
Special Program:	EPA - Target Site Investigation
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.97783
Longitude:	-118.1206
APN:	NONE SPECIFIED
Past Use:	LANDFILL - DOMESTIC
Potential COC:	Methane Hydrogen sulfide
Confirmed COC:	Methane 30330-NO
Potential Description:	SV
Alias Name:	301445
Alias Type:	Project Code (Site Code)
Alias Name:	60001171
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Work Order
Completed Date:	03/02/2010
Comments:	Work order submitted to contractor, signed by contractor, and returned to DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Work Order
Completed Date:	01/27/2011
Comments:	Start work order signed and executed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract
Completed Date:	04/30/2010
Comments:	Not reported

CHAPIN ROAD LANDFILL (Continued) **S110042452**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/24/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/21/2011
Comments: Contractor completed a 14 day landfill gas destruction pilot test on the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/10/2011
Comments: DTSC approved revised final TSI report of findings for the landfill gas extraction pilot test.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/30/2011
Comments: Project profile form completed and sent to EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 02/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 09/28/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 02/26/2010
Comments: Contractor supplied all information to DTSC contracts department.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 05/24/2010
Comments: DTSC confirmed that all requested changes were made to the work plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/12/2010
Comments: Field work completed.

Future Area Name: Not reported

CHAPIN ROAD LANDFILL (Continued) **S110042452**

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

M76 **E.P.S D/B/A VALSPA** **RCRA-LQG 1000293388**
North **901 UNION STREET** **LUST CAD008335366**
1/4-1/2 **MONTEBELLO, CA 90640** **CPS-SLIC**
0.446 mi. **RAATS**
2354 ft. **Site 1 of 2 in cluster M** **ICIS**
US AIRS
Relative: Higher **HIST CORTESE**
LOS ANGELES CO. HMS
Actual: 169 ft. **CERS**

RCRA-LQG:
Date form received by agency: 02/22/2012
Facility name: ENGINEERED POLYMER SOLUTION INC D/B/A VALSPAR COATINGS
Facility address: 901 WEST UNION STREET
MONTEBELLO, CA 90640-6524
EPA ID: CAD008335366
Mailing address: E. SLAUSON AVE.
LOS ANGELES, CA 90040
Contact: EDGAR HERRERA
Contact address: E. SLAUSON AVE
LOS ANGELES, CA 90040
Contact country: US
Contact telephone: 323-889-2533
Contact email: EHERRERA@VALSPAR.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: VALSPAR CORPORATION
Owner/operator address: PO BOX 1461
MINEAPOLIS, MN 55440
Owner/operator country: Not reported
Owner/operator telephone: 323-889-2533
Owner/operator email: Not reported
Owner/operator fax: Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Owner/operator extension: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: 03/24/2012
Owner/Op end date: Not reported

Owner/operator name: VALSPAR CORPORATION
Owner/operator address: 1101 S THIRD STREET
MINNEAPOLIS, MN 55415
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/24/2001
Owner/Op end date: Not reported

Owner/operator name: FRED CASEY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/01/2001
Owner/Op end date: Not reported

Owner/operator name: EDGAR HERRERA
Owner/operator address: E. SLAUSON AVE.
LOS ANGELES, CA 90040
Owner/operator country: Not reported
Owner/operator telephone: 323-889-2533
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2012
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

E.P.S D/B/A VALSPA (Continued) **1000293388**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/17/2010
Site name: E.P.S D/B/A VALSPA
Classification: Large Quantity Generator

Date form received by agency: 01/31/2008
Site name: E.P.S D/B/A VALSPA
Classification: Large Quantity Generator

Date form received by agency: 02/16/2006
Site name: E.P.S. D/B/A VALSPAR
Classification: Small Quantity Generator

Date form received by agency: 02/16/2006
Site name: E.P.S. D/B/A VALSPAR
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002
Site name: EPS DBA VALSPAR
Classification: Large Quantity Generator

Date form received by agency: 12/11/2001
Site name: E P S DBA VALSPAR COATINGS
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: E P S DBA VALSPAR COATINGS
Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: LILLY INDUSTRIES INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: LILLY INDUSTRIES, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/03/1990
Site name: LILLY INDUSTRIAL COATINGS INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

E.P.S D/B/A VALSPA (Continued) **1000293388**

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 591
. Waste name: Baghouse waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

E.P.S D/B/A VALSPA (Continued) **1000293388**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F035
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/08/2007
Date achieved compliance: 05/18/2007
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/15/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 02/08/2007
Date achieved compliance: 05/18/2007
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 02/15/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/08/2007

E.P.S D/B/A VALSPA (Continued) **1000293388**

Date achieved compliance: 05/18/2007
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/2007
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 06/01/2007
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/08/2007
Date achieved compliance: 02/08/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 02/08/2007
Date achieved compliance: 05/18/2007
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/2007
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 06/01/2007
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: 65750
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994

E.P.S D/B/A VALSPA (Continued) **1000293388**

Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: 65750
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: 65750
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA

E.P.S D/B/A VALSPA (Continued) **1000293388**

Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 07/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: 65750
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/02/1992
Date achieved compliance: 07/04/1994
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

E.P.S D/B/A VALSPA (Continued) **1000293388**

Enforcement action date: 07/13/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 68400
Final penalty amount: 65750
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/08/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 05/18/2007
Evaluation lead agency: EPA

Evaluation date: 02/08/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/08/2007
Evaluation lead agency: State

Evaluation date: 02/08/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 05/18/2007
Evaluation lead agency: EPA

Evaluation date: 07/08/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/30/1993
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/19/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/04/1994
Evaluation lead agency: EPA

Evaluation date: 08/19/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/04/1994
Evaluation lead agency: EPA

Evaluation date: 08/19/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 07/04/1994
Evaluation lead agency: EPA

E.P.S D/B/A VALSPA (Continued) **1000293388**

Evaluation date: 08/19/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 07/04/1994
Evaluation lead agency: EPA

Evaluation date: 08/19/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 07/04/1994
Evaluation lead agency: EPA

LUST:
Name: LILLY INDUSTRIAL COATINGS INC
Address: 901 UNION ST W
City,State,Zip: MONTEBELLO, CA 90640
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701543
Global Id: T0603701543
Latitude: 33.979708
Longitude: -118.125431
Status: Completed - Case Closed
Status Date: 12/03/1996
Case Worker: YR
RB Case Number: 906400034
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Solvents
Site History: Not reported

LUST:
Global Id: T0603701543
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: T0603701543
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: T0603701543
Action Type: Other
Date: 01/08/1986
Action: Leak Discovery

E.P.S D/B/A VALSPA (Continued) **1000293388**

Global Id: T0603701543
Action Type: Other
Date: 01/08/1986
Action: Leak Stopped

Global Id: T0603701543
Action Type: Other
Date: 01/08/1986
Action: Leak Reported

LUST:
Global Id: T0603701543
Status: Open - Case Begin Date
Status Date: 01/08/1986

Global Id: T0603701543
Status: Open - Remediation
Status Date: 01/07/1988

Global Id: T0603701543
Status: Completed - Case Closed
Status Date: 12/03/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 906400034
Status: Case Closed
Substance: Solvents
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603701543
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: GREENWOOD
Enforcement Type: Not reported
Date Leak Discovered: 1/8/1986
Date Leak First Reported: 1/8/1986
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: 1/8/1986
Date Case Last Changed on Database: 4/17/1997
Date the Case was Closed: 12/3/1996
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Piping
Operator: SEATON, JOE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1984.786803759094983162404 6746

E.P.S D/B/A VALSPA (Continued) **1000293388**

Source of Cleanup Funding:	Piping
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	1/7/1988
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:	LILLY INDUSTRIAL COATINGS, INC
RP Address:	901 WEST UNION STREET, MONTEBELLO, CA 90640
Program:	LUST
Lat/Long:	33.9808045 / -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:	G/W MONITORING PROGRAM IMPLEMENTED TO DEVELOP REMEDIAL ACTION PLAN. 04/17/97 - WELL ABANDONMENT REPORT

CPS-SLIC:

Name:	VALSPAR FACILITY
Address:	901 UNION ST W
City,State,Zip:	MONTEBELLO, CA 90640
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	06/19/2014
Global Id:	T10000003191
Lead Agency:	LA CNTY FIRE DEPT. (BILLING AND UST)
Lead Agency Case Number:	TT010631-010569
Latitude:	33.9800165
Longitude:	-118.1247166
Case Type:	Cleanup Program Site
Case Worker:	SN
Local Agency:	LOS ANGELES COUNTY
RB Case Number:	906400034A
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Acetone, Benzene, Toluene, MTBE / TBA / Other Fuel Oxygenates, Stoddard solvent / Mineral Spriits / Distillates
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ICIS:

Enforcement Action ID:	CASCAA000006037CJ22100071
FRS ID:	110000475469

E.P.S D/B/A VALSPA (Continued) **1000293388**

Action Name:	ENGINEERED POLYMER SOLUTIONS 06037CJ22100071
Facility Name:	ENGINEERED POLYMER SOLUTIONS
Facility Address:	901 W UNION ST MONTEBELLO, CA 906406524
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.9803
Longitude in Decimal Degrees:	-118.12508
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ221
Facility NAICS Code:	325510
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ22100070
FRS ID:	110000475469
Action Name:	ENGINEERED POLYMER SOLUTIONS 06037CJ22100070
Facility Name:	ENGINEERED POLYMER SOLUTIONS
Facility Address:	901 W UNION ST MONTEBELLO, CA 906406524
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.9803
Longitude in Decimal Degrees:	-118.12508
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ221
Facility NAICS Code:	325510
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ22100037
FRS ID:	110000475469
Action Name:	ENGINEERED POLYMER SOLUTIONS 06037CJ22100037
Facility Name:	ENGINEERED POLYMER SOLUTIONS
Facility Address:	901 W UNION ST MONTEBELLO, CA 906406524
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.9803
Longitude in Decimal Degrees:	-118.12508
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ221
Facility NAICS Code:	325510
Tribal Land Code:	Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Enforcement Action ID:	CASCAA000006037CJ22100036
FRS ID:	110000475469
Action Name:	ENGINEERED POLYMER SOLUTIONS 06037CJ22100036
Facility Name:	ENGINEERED POLYMER SOLUTIONS
Facility Address:	901 W UNION ST MONTEBELLO, CA 906406524
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.9803
Longitude in Decimal Degrees:	-118.12508
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ221
Facility NAICS Code:	325510
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ22100027
FRS ID:	110000475469
Action Name:	ENGINEERED POLYMER SOLUTIONS 06037CJ22100027
Facility Name:	ENGINEERED POLYMER SOLUTIONS
Facility Address:	901 W UNION ST MONTEBELLO, CA 906406524
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.9803
Longitude in Decimal Degrees:	-118.12508
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ221
Facility NAICS Code:	325510
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ22100026
FRS ID:	110000475469
Action Name:	ENGINEERED POLYMER SOLUTIONS 06037CJ22100026
Facility Name:	ENGINEERED POLYMER SOLUTIONS
Facility Address:	901 W UNION ST MONTEBELLO, CA 906406524
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.9803
Longitude in Decimal Degrees:	-118.12508
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ221

E.P.S D/B/A VALSPA (Continued) **1000293388**

Facility NAICS Code: 325510
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ22100011
FRS ID: 110000475469
Action Name: ENGINEERED POLYMER SOLUTIONS 06037CJ22100011
Facility Name: ENGINEERED POLYMER SOLUTIONS
Facility Address: 901 W UNION ST
MONTEBELLO, CA 906406524
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2851
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.9803
Longitude in Decimal Degrees: -118.12508
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ221
Facility NAICS Code: 325510
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ22100010
FRS ID: 110000475469
Action Name: ENGINEERED POLYMER SOLUTIONS 06037CJ22100010
Facility Name: ENGINEERED POLYMER SOLUTIONS
Facility Address: 901 W UNION ST
MONTEBELLO, CA 906406524
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2851
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.9803
Longitude in Decimal Degrees: -118.12508
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ221
Facility NAICS Code: 325510
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ22100005
FRS ID: 110000475469
Action Name: ENGINEERED POLYMER SOLUTIONS 06037CJ22100005
Facility Name: ENGINEERED POLYMER SOLUTIONS
Facility Address: 901 W UNION ST
MONTEBELLO, CA 906406524
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2851
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.9803

E.P.S D/B/A VALSPA (Continued) **1000293388**

Longitude in Decimal Degrees: -118.12508
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ221
Facility NAICS Code: 325510
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ22100004
FRS ID: 110000475469
Action Name: ENGINEERED POLYMER SOLUTIONS 06037CJ22100004
Facility Name: ENGINEERED POLYMER SOLUTIONS
Facility Address: 901 W UNION ST
MONTEBELLO, CA 906406524
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2851
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.9803
Longitude in Decimal Degrees: -118.12508
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ221
Facility NAICS Code: 325510
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000293388
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
D and B Number: Not reported
Facility Site Name: ENGINEERED POLYMER SOLUTIONS
Primary SIC Code: 2851
NAICS Code: 325510
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2001-02-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221

E.P.S D/B/A VALSPA (Continued) **1000293388**

Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-03-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2007-02-23 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2013-02-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Date: 2007-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-09-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469

E.P.S D/B/A VALSPA (Continued) **1000293388**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-01-09 00:00:00
Activity Status Date: 2001-01-09 00:00:00
Activity Group: Enforcement Action

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-01-27 00:00:00
Activity Status Date: 2006-01-27 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-12-22 00:00:00
Activity Status Date: 2006-12-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-23 00:00:00
Activity Status Date: 2013-01-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-07-12 00:00:00
Activity Status Date: 2000-07-12 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Date: 2005-10-06 00:00:00
Activity Status Date: 2005-10-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-22 00:00:00
Activity Status Date: 2006-09-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-18 00:00:00
Activity Status Date: 2012-05-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2000-03-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-03-22 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469

E.P.S D/B/A VALSPA (Continued) **1000293388**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2007-02-23 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2013-02-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Date: 2007-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-09-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469

E.P.S D/B/A VALSPA (Continued) **1000293388**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-08-21 00:00:00
Activity Status Date: 1998-08-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-01-27 00:00:00
Activity Status Date: 2006-01-27 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-12-22 00:00:00
Activity Status Date: 2006-12-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

E.P.S D/B/A VALSPA (Continued) **1000293388**

Activity Date: 2013-01-23 00:00:00
Activity Status Date: 2013-01-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-04-30 00:00:00
Activity Status Date: 1998-04-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-06 00:00:00
Activity Status Date: 2005-10-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-22 00:00:00
Activity Status Date: 2006-09-22 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ221
Facility Registry ID: 110000475469
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-18 00:00:00
Activity Status Date: 2012-05-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

HIST CORTESE:
edr_fname: LILLY INDUSTRIAL COATINGS

E.P.S D/B/A VALSPA (Continued) **1000293388**

edr_fadd1: 901 UNION
City,State,Zip: MONTEBELLO, CA 90640
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 906400034

LOS ANGELES CO. HMS:
Name: LILLY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA 906406524
Region: LA
Permit Category: T
Facility Id: 010631-010569
Facility Type: 0
Facility Status: Closed
Area: 3H
Permit Number: 00002226T
Permit Status: Closed

CERS:
Name: VALSPAR FACILITY
Address: 901 UNION ST W
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 222380
CERS ID: T10000003191
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: SHAHIN NOURISHAD - LA CNTY FIRE DEPT. (BILLING AND UST)
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 3238904106

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ALBERTO GRAJEDA - 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: MATTHEW COHEN - SWRCB
Entity Title: Not reported
Affiliation Address: 1001 I Street
Affiliation City: SACRAMENTO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported

E.P.S D/B/A VALSPA (Continued) **1000293388**

Affiliation Phone: 9163415751

Name: LILLY INDUSTRIAL COATINGS INC
Address: 901 UNION ST W
City,State,Zip: MONTEBELLO, CA 90640
Site ID: 217093
CERS ID: T0603701543
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

M77 **VALSPAR COATINGS** **ENVIROSTOR** **1001205268**
North **901 W UNION ST** **SWEEPS UST** **N/A**
1/4-1/2 **MONTEBELLO, CA 90640** **EMI**
0.446 mi. **LA Co. Site Mitigation**
2354 ft. **Site 2 of 2 in cluster M**

Relative: **Higher**
Actual: **169 ft.**

ENVIROSTOR:
Name: LILLY INDUSTRIES, INC./MONTEBELLO
Address: 901 W. UNION STREET
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: 71002195
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 58
Senate: 32
Special Program: Not reported

VALSPAR COATINGS (Continued) **1001205268**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.97970
Longitude: -118.1254
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008335366
Alias Type: EPA Identification Number
Alias Name: 110021343866
Alias Type: EPA (FRS #)
Alias Name: 71002195
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/12/2016
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

SWEEPS UST:
Name: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 24

Name: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST

VALSPAR COATINGS (Continued) **1001205268**

City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000002
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000004
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

VALSPAR COATINGS (Continued) **1001205268**

Name: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000005
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000006
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000007
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W

VALSPAR COATINGS (Continued) **1001205268**

Content: Not reported
Number Of Tanks: Not reported

Name: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000008
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000009
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000010
Tank Status: A
Capacity: Not reported

VALSPAR COATINGS (Continued) **1001205268**

Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000011
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000012
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported

VALSPAR COATINGS (Continued) **1001205268**

SWRCB Tank Id: 19-000-010569-000013
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000014
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000015
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89

VALSPAR COATINGS (Continued) **1001205268**

Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000016
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000017
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000018
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569

VALSPAR COATINGS (Continued) **1001205268**

Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000019
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000020
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000021
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST

VALSPAR COATINGS (Continued) **1001205268**

City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000022
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000023
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: LILY INDUSTRIAL COATINGS
Address: 901 W UNION ST
City: MONTEBELLO
Status: Active
Comp Number: 10569
Number: 9
Board Of Equalization: 44-008930
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-010569-000024
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

VALSPAR COATINGS (Continued) **1001205268**

EMI:

Name:	LILLY INDUSTRIAL COATINGS INC
Address:	901 W UNION ST
City,State,Zip:	MONTEBELLO, CA
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	10236
Air District Name:	SC
SIC Code:	2851
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:	21
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3

Name:	LILLY INDUSTRIAL COATINGS INC
Address:	901 W UNION ST
City,State,Zip:	MONTEBELLO, CA
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	10236
Air District Name:	SC
SIC Code:	2851
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:	22
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4

Name:	LILLY INDUSTRIES INC
Address:	901 W UNION ST
City,State,Zip:	MONTEBELLO, CA
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	10236
Air District Name:	SC
SIC Code:	2851
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:	19
Reactive Organic Gases Tons/Yr:	14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

VALSPAR COATINGS (Continued) **1001205268**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: LILLY INDUSTRIES INC
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA
Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 10236
Air District Name: SC
SIC Code: 2851
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: 184
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 3
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: LILLY INDUSTRIES INC
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 10236
Air District Name: SC
SIC Code: 2851
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: 19
Reactive Organic Gases Tons/Yr: 18
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: LILLY INDUSTRIES INC
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 10236
Air District Name: SC
SIC Code: 2851
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: 19

VALSPAR COATINGS (Continued) **1001205268**

Reactive Organic Gases Tons/Yr: 18
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: LILLY INDUSTRIES INC
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 10236
Air District Name: SC
SIC Code: 2851
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: 19
Reactive Organic Gases Tons/Yr: 18
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

Name: LILLY INDUSTRIES INC
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA
Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 10236
Air District Name: SC
SIC Code: 2851
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: 19
Reactive Organic Gases Tons/Yr: 18
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 5
Part. Matter 10 Micrometers and Smllr Tons/Yr: 4

LA Co. Site Mitigation:
Name: VALSPAR COATINGS
Address: 901 W UNION ST
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: Not reported
Status: Not reported
Site ID: SD0000268
Jurisdiction: Not reported
Case ID: RO0001269
Abated: No

VALSPAR COATINGS (Continued) **1001205268**

Assigned To: Richard Clark
Entered Date: Not reported
Abated Date: Not reported

78
NW
1/4-1/2
0.447 mi.
2358 ft.

GEHR INDUSTRIES FACILITY
7400 SLAUSON
COMMERCE, CA 90040

CPS-SLIC **S106116450**
CERS **N/A**

Relative:
Higher

Actual:
158 ft.

CPS-SLIC:

Name:	GEHR INDUSTRIES FACILITY
Address:	7400 SLAUSON AVE
City,State,Zip:	COMMERCE, CA 90040
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	04/23/2014
Global Id:	SL0603799992
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.97716
Longitude:	-118.132272
Case Type:	Cleanup Program Site
Case Worker:	EPL
Local Agency:	Not reported
RB Case Number:	1132
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern:	Not reported
Site History:	The Site is a 13-acre property located at the southwest corner of Greenwood Avenue and Slauson Avenue in the City of Commerce, California. The Site was formerly occupied by Baker Oil Tools (BOT) who manufactured oil field equipment at the Site between approximately 1950 until 1982 when the property was acquired by Gehr Industries, Inc. (Gehr). In 1987, BOT merged with Hughes Tools Company and formed Baker Hughes, Inc. BOTs operations at the Site included the use of clarifiers, sumps, underground storage tanks, degreasers, paint spray booths and machine shops. Three dry wells were also located at the Site. The Site is currently owned and occupied by Gehr whose operations include packaging and distribution of insulated wire products. Gehr also leases portions of the site to other business tenants whose operations include importing and distribution, furniture making and storage, and repair of commercial trucks.

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	1132
Substance:	PCE, TCE
Staff:	Not reported

CERS:

Name:	GEHR INDUSTRIES FACILITY
Address:	7400 SLAUSON AVE

GEHR INDUSTRIES FACILITY (Continued) **S106116450**

City,State,Zip: COMMERCE, CA 90040
Site ID: 194701
CERS ID: SL0603799992
CERS Description: Cleanup Program 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

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79 **HI-TOP STEEL** **LUST** **S104159843**
ENE **8200 SLAUSON AVE E** **HIST CORTESE** **N/A**
1/4-1/2 **PICO RIVERA, CA 90660** **CERS**
0.453 mi.
2390 ft.

Relative:
Higher

Actual:
155 ft.

LUST:
Name: HI-TOP STEEL
Address: 8200 SLAUSON AVE E
City,State,Zip: PICO RIVERA, CA 90660
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703364
Global Id: T0603703364
Latitude: 33.9750934
Longitude: -118.1183958
Status: Completed - Case Closed
Status Date: 02/11/1997
Case Worker: YR
RB Case Number: I-09258
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: T0603703364
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: T0603703364
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200

HI-TOP STEEL (Continued) **S104159843**

City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603703364
Action Type: Other
Date: 07/15/1988
Action: Leak Discovery

Global Id: T0603703364
Action Type: Other
Date: 01/23/1990
Action: Leak Reported

LUST:
Global Id: T0603703364
Status: Open - Case Begin Date
Status Date: 07/15/1988

Global Id: T0603703364
Status: Open - Remediation
Status Date: 06/06/1990

Global Id: T0603703364
Status: Completed - Case Closed
Status Date: 02/11/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-09258
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: T0603703364
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 7/15/1988
Date Leak First Reported: 1/23/1990
Date Leak Record Entered: 2/10/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/4/1997
Date the Case was Closed: 2/11/1997
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK

HI-TOP STEEL (Continued) **S104159843**

Leak Source: UNK
Operator: NAKANO, KEIKO-HIUKA
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 883.406383072404155646564 7172
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: 6/6/1990
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: HI-TOP STEEL CORP
RP Address: 482 PIER T AVE, BERTH 118, LONG BEACH CA 90802
Program: LUST
Lat/Long: 33.9751536 / -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: TRANSFER CASE ON 2/11/92; ABANDONMENT OF GW MONITORING WELLS 3/4/97

HIST CORTESE:
edr_fname: HI-TOP STEEL
edr_fadd1: 8200 SLAUSON
City,State,Zip: PICO RIVERA, CA 90660
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09258

CERS:
Name: HI-TOP STEEL
Address: 8200 SLAUSON AVE E
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 210364
CERS ID: T0603703364
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

HI-TOP STEEL (Continued) **S104159843**

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

80
NNE
1/2-1
0.541 mi.
2855 ft.

Relative:
Higher

Actual:
171 ft.

SUNSHINE PLASTICS CORP
1600 GAGE RD
MONTEBELLO, CA 90640

RCRA-SQG **1000380301**
ENVIROSTOR **CAD059787853**
FINDS
ECHO
EMI
HIST CORTESE
NPDES
CIWQS
CERS

RCRA-SQG:

Date form received by agency:	06/26/1995
Facility name:	SUNSHINE PLASTICS CORP
Facility address:	1600 GAGE RD MONTEBELLO, CA 90640
EPA ID:	CAD059787853
Contact:	PHILIP KWAN
Contact address:	1600 GAGE RD MONTEBELLO, CA 90640
Contact country:	US
Contact telephone:	213-721-8168
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Owner/Op end date: Not reported

Owner/operator name: SUNSHINE PLASTICS CORP
Owner/operator address: 1600 GAGE RD
MONTEBELLO, CA 90640
Owner/operator country: Not reported
Owner/operator telephone: 213-721-8168
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

ENVIROSTOR:
Name: R.G.G.L CORPORATION
Address: 1600 GAGE ROAD
City,State,Zip: MONTEBELLO, CA 90640
Facility ID: 19330373
Status: No Further Action
Status Date: 12/08/1994
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: 0
NPL: NO
Regulatory Agencies: HWMP
Lead Agency: HWMP
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 58
Senate: 32
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Latitude: 33.98074
Longitude: -118.1216
APN: 6354028031
Past Use: MANUFACTURING - OTHER
Potential COC: Lead TPH-gas TPH-MOTOR OIL Cadmium and compounds
Confirmed COC: Lead TPH-gas Cadmium and compounds TPH-MOTOR OIL
Potential Description: SOIL, SV, SURFW
Alias Name: 6354028031
Alias Type: APN
Alias Name: 19330373
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: 12/08/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/10/1989
Comments: ON CORTESE LIST CONT. FOUND- TPH AT 45000 MG/KG. SITE SCREENING DONE SITE HAD EIGHT SUSPECTED AREAS SAMPLED AND ANALYZED. FUEL HYDROCARBONS WERE FOUND AT 30000 PPM, VOCS AT 1500 UG/KG, TPH AT 45000 MG/KG, LEAD AT 540 MG/KG & CADMIUM AT 109 MG/KG. DHS PERSONNEL INDICATED THAT COVERAGE OF THE SITE ASSESSMENT AND SITE MITIGATION WERE IN LINE WITH DHS PROCEDURES ACCORDING TO THE PRELIMINARY SITE ASSESSMETN AND SUBSEQUENT REMEDIATION ACTION. PREPARED BY AMAN ENVIRONMENTAL INC. FOR THE SUBJECT SITE DATED AUGUST 1989.

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

FINDS:

Registry ID: 110001192209

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

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.

US National Pollutant Discharge Elimination System (NPDES) module of

SUNSHINE PLASTICS CORP (Continued) **1000380301**

the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000380301
Registry ID:	110001192209
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001192209

EMI:

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	2750
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:	30
Reactive Organic Gases Tons/Yr:	27
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

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	2759
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:	9
Reactive Organic Gases Tons/Yr:	6

SUNSHINE PLASTICS CORP (Continued) **1000380301**

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

Name: SUNSHINE PLASTICS CORP
Address: 1600 GAGE RD
City,State,Zip: MONTEBELLO, CA 906400000
Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 101258
Air District Name: SC
SIC Code: 2759
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: 38
Reactive Organic Gases Tons/Yr: 38
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

Name: SUNSHINE PLASTICS CORP
Address: 1600 GAGE RD
City,State,Zip: MONTEBELLO, CA 906400000
Year: 1998
County Code: 19
Air Basin: SC
Facility ID: 101258
Air District Name: SC
SIC Code: 2759
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: 38
Reactive Organic Gases Tons/Yr: 38
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

Name: SUNSHINE PLASTICS CORP
Address: 1600 GAGE RD
City,State,Zip: MONTEBELLO, CA 906400000
Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 101258
Air District Name: SC
SIC Code: 2759
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	38
Reactive Organic Gases Tons/Yr:	38
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

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	2759
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:	38
Reactive Organic Gases Tons/Yr:	38
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

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	2759
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:	2
Reactive Organic Gases Tons/Yr:	2
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

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC

SUNSHINE PLASTICS CORP (Continued) **1000380301**

SIC Code:	2759
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:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	2759
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:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SUNSHINE PLASTICS CORP
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 906400000
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	2759
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:	1.8376
Reactive Organic Gases Tons/Yr:	1.77
Carbon Monoxide Emissions Tons/Yr:	0.21
NOX - Oxides of Nitrogen Tons/Yr:	0.779
SOX - Oxides of Sulphur Tons/Yr:	0.00497
Particulate Matter Tons/Yr:	0.0449
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.04

Name:	SUNSHINE FPC, INC.
Address:	1600 GAGE RD
City,State,Zip:	MONTEBELLO, CA 90640
Year:	2016
County Code:	19

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Air Basin:	SC
Facility ID:	101258
Air District Name:	SC
SIC Code:	3089
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:	1.0422215976
Reactive Organic Gases Tons/Yr:	0.99305
Carbon Monoxide Emissions Tons/Yr:	0.08
NOX - Oxides of Nitrogen Tons/Yr:	0.31
SOX - Oxides of Sulphur Tons/Yr:	0.00145
Particulate Matter Tons/Yr:	0.01
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.01

HIST CORTESE:

edr_fname:	R.G.G.L. CORPORATION
edr_fadd1:	1600 GAGE
City,State,Zip:	MONTEBELLO, CA 90640
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19330373

NPDES:

Name:	SUNSHINE FPC INC
Address:	1600 GAGE
City,State,Zip:	MONTEBELLO, CA 90640
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:	4 19I020791
Regulatory Measure Type:	Industrial
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:	Active
Status Date:	04/11/2007
Operator Name:	Sunshine FPC Inc
Operator Address:	1600 Gage Rd
Operator City:	Montebello
Operator State:	California
Operator Zip:	90640

NPDES as of 03/2018:

NPDES Number:	Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	323204
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I020791
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/11/2007
Status:	Active
Status Date:	04/11/2007
Place Size:	116000
Place Size Unit:	SqFt
Contact:	Kerry Johnston
Contact Title:	VP of Operations
Contact Phone:	323-721-8168
Contact Phone Ext:	Not reported
Contact Email:	kerryj@sunshinefpc.com
Operator Name:	Sunshine FPC Inc
Operator Address:	1600 Gage Rd
Operator City:	Montebello
Operator State:	California
Operator Zip:	90640
Operator Contact:	Kerry Johnston
Operator Contact Title:	V.P. of Operations
Operator Contact Phone:	323-721-8168
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kerryj@sunshinefpc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Rio Hondo Spillway
Certifier:	Kerry Johnston
Certifier Title:	operation manager
Certification Date:	06-MAY-15
Primary Sic:	2759-Commercial Printing, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	323204
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I020791
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/11/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Sunshine FPC Inc
Discharge Address:	1600 Gage Rd
Discharge City:	Montebello
Discharge State:	California
Discharge Zip:	90640
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	SUNSHINE FPC INC
Address:	1600 GAGE
City,State,Zip:	MONTEBELLO, CA 90640
Facility Status:	Active
NPDES Number:	CAS000001
Region:	4
Agency Number:	0
Regulatory Measure ID:	323204
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	4 19I020791
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/11/2007
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1600 Gage Rd
Discharge Name:	Sunshine FPC Inc

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Discharge City:	Montebello
Discharge State:	California
Discharge Zip:	90640
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	323204
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I020791
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/11/2007
Status:	Active
Status Date:	04/11/2007
Place Size:	116000
Place Size Unit:	SqFt
Contact:	Kerry Johnston
Contact Title:	VP of Operations
Contact Phone:	323-721-8168
Contact Phone Ext:	Not reported
Contact Email:	kerryj@sunshinefpc.com
Operator Name:	Sunshine FPC Inc
Operator Address:	1600 Gage Rd
Operator City:	Montebello
Operator State:	California
Operator Zip:	90640
Operator Contact:	Kerry Johnston
Operator Contact Title:	V.P. of Operations
Operator Contact Phone:	323-721-8168
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	kerryj@sunshinefpc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Rio Hondo Spillway
Certifier:	Kerry Johnston
Certifier Title:	operation manager
Certification Date:	06-MAY-15
Primary Sic:	2759-Commercial Printing, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	323204
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I020791
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/11/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Sunshine FPC Inc
Discharge Address:	1600 Gage Rd
Discharge City:	Montebello
Discharge State:	California
Discharge Zip:	90640
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	SUNSHINE FPC INC
Address:	1600 GAGE
City,State,Zip:	MONTEBELLO, CA 90640
Agency:	Sunshine FPC Inc
Agency Address:	1600 Gage Rd, Montebello, CA 90640
Place/Project Type:	Industrial - Commercial Printing, NEC

SUNSHINE PLASTICS CORP (Continued) **1000380301**

SIC/NAICS:	2759
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I020791
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/11/2007
Termination Date:	Not reported
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:	33.98051
Longitude:	-118.12288

CERS:

Name:	SUNSHINE FPC INC
Address:	1600 GAGE
City,State,Zip:	MONTEBELLO, CA 90640
Site ID:	543622
CERS ID:	648691
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	543622
Site Name:	Sunshine FPC Inc
Violation Date:	06-29-2011
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient BMP Implementation
Violation Notes:	Hazardous waste materials exposed to storm water w/o proper covers.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-29-2011
Violations Found:	Yes
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Hazardous waste oil drums exposed to storm water w/o proper cover.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS

Enforcement Action:

Site ID:	543622
Site Name:	Sunshine FPC Inc
Site Address:	1600 GAGE
Site City:	MONTEBELLO
Site Zip:	90640

SUNSHINE PLASTICS CORP (Continued) **1000380301**

Enf Action Date:	06-29-2011
Enf Action Type:	Notice to Comply
Enf Action Description:	Notice to Comply
Enf Action Notes:	Require to install proper cover for hazardous waste materials storage drums.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Sunshine FPC Inc
Entity Title:	Operator
Affiliation Address:	1600 Gage Rd
Affiliation City:	Montebello
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90640
Affiliation Phone:	Not reported

81
NNW
1/2-1
0.581 mi.
3068 ft.

THORLEY DOUG HEADERS **ENVIROSTOR** **1000171784**
7403 TELEGRAPH RD **FINDS** **N/A**
LOS ANGELES, CA 90040 **ECHO**

Relative:
Higher

Actual:
167 ft.

ENVIROSTOR:

Name:	THORLEY DOUG HEADERS
Address:	7403 TELEGRAPH RD.
City,State,Zip:	LOS ANGELES, CA 90040
Facility ID:	19500243
Status:	Refer: Other Agency
Status Date:	08/15/1995
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
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:	33.98145
Longitude:	-118.1298
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * UNSPECIFIED SOLVENT MIXTURES
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED

THORLEY DOUG HEADERS (Continued) **1000171784**

Alias Name: ABLE BODY SALE SERVICES
Alias Type: Alternate Name
Alias Name: CAD083819847
Alias Type: EPA Identification Number
Alias Name: 110002661290
Alias Type: EPA (FRS #)
Alias Name: 19500243
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/11/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/27/1994
Comments: DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 02/01/1984
Comments: T/C W/ R.KLING,CONTROLLER 213-685-3630, 1)SOURCE ACTIV:(THORLEY) CLEANING,(ABLE) REPAIRING,SELLING,RUBBISH TRUCKS.2)FAC TYPE: ONSITE STORAGE OF SOLVENT SOLN & WASTES, DRUMS ABOVE GROUND. 3)WASTE: TETRACHLORCETHYLENE(THORLEY),NONE(ABLE) SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

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

FINDS:

Registry ID: 110002661290

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.

THORLEY DOUG HEADERS (Continued) **1000171784**

ECHO:
Envid: 1000171784
Registry ID: 110002661290
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002661290

82
WNW
1/2-1
0.611 mi.
3224 ft.

MARTIN SPROKET & GEAR/GUFI INV **ENVIROSTOR** **S106843336**
5920 S TRIANGLE DR **LA Co. Site Mitigation** **N/A**
COMMERCE, CA 90040

Relative:
Higher

Actual:
155 ft.

ENVIROSTOR:
Name: MARTIN SPROCKET & GEAR/GUFI
Address: 5920 S. TRIANGLE DR.
City,State,Zip: COMMERCE, CA 90040
Facility ID: 19350475
Status: Refer: 1248 Local Agency
Status Date: 04/24/2000
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: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 58
Senate: 32
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.97777
Longitude: -118.1359
APN: 6356167
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 6356167
Alias Type: APN
Alias Name: 19350475
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 04/19/2000
Comments: DTSC is not involved with this project.

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

MARTIN SPROKET & GEAR/GUFI INV (Continued) **S106843336**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LA Co. Site Mitigation:
Name: MARTIN SPROKET & GEAR/GUFI INV
Address: 5920 S TRIANGLE DR
City,State,Zip: COMMERCE, CA 90040
Facility ID: FA0026541
Status: Not reported
Site ID: SD0010004
Jurisdiction: Not reported
Case ID: RO0010004
Abated: Yes
Assigned To: Don Thompson
Entered Date: Not reported
Abated Date: 08/30/2000

83
ENE
1/2-1
0.614 mi.
3240 ft.

X-RAY PRODUCTS CORP. **ENVIROSTOR** **S118757420**
7829 INDUSTRY AVENUE **N/A**
PICO RIVERA, CA 90660

Relative:
Higher

Actual:
151 ft.

ENVIROSTOR:
Name: X-RAY PRODUCTS CORP.
Address: 7829 INDUSTRY AVENUE
City,State,Zip: PICO RIVERA, CA 90660
Facility ID: 71002740
Status: No Action Required
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 58
Senate: 32
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.97497
Longitude: -118.1144
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981368038
Alias Type: EPA Identification Number

X-RAY PRODUCTS CORP. (Continued) **S118757420**

Alias Name: 110002682348
Alias Type: EPA (FRS #)
Alias Name: 71002740
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

N84 **ENTERPRISE PRODUCTS, INC.** **ENVIROSTOR** **U001562582**
WSW **6875 SUVA ST** **SWEEPS UST** **N/A**
1/2-1 **BELL GARDENS, CA 90201** **HIST UST**
0.716 mi.
3782 ft. **Site 1 of 3 in cluster N**

Relative:
Lower

Actual:
133 ft.

ENVIROSTOR:
Name: ENTERPRISE PRODUCTS
Address: 6875 SUVA STREET
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 60001726
Status: No Further Action
Status Date: 02/14/2000
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: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.96708
Longitude: -118.1385
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER
Potential COC: TPH-gas 1,1,1-Trichloroethane (TCA
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL

ENTERPRISE PRODUCTS, INC. (Continued) **U001562582**

Alias Name: 60001726
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: 02/14/2000
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

SWEEPS UST:
Name: ENTERPRISE PRODUCTS INC
Address: 6875 SUVA ST
City: BELL GARDENS
Status: Active
Comp Number: 11491
Number: 9
Board Of Equalization: Not reported
Referral Date: 06-30-89
Action Date: Not reported
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

HIST UST:
Name: ENTERPRISE PRODUCTS, INC.
Address: 6875 SUVA ST
City,State,Zip: BELL GARDENS, CA 90201
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000050799
Facility Type: Other
Other Type: PRODUCTS
Contact Name: STEPHEN C. LOOKABAUGH
Telephone: 2139272515
Owner Name: ENTERPRISE PRODUCTS, INC., A C
Owner Address: 6875 SUVA STREET
Owner City,St,Zip: BELL GARDENS, CA 90201
Total Tanks: 0002

ENTERPRISE PRODUCTS, INC. (Continued) **U001562582**

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	002
Container Num:	2
Year Installed:	1979
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual

85
WSW
1/2-1
0.727 mi.
3836 ft.

SIPPLE PROPERTY **ENVIROSTOR** **S111842229**
6750 FOSTER BRIDGE BOULEVARD **N/A**
BELL GARDENS, CA 90201

Relative:
Lower

Actual:
134 ft.

ENVIROSTOR:

Name:	SIPPLE PROPERTY
Address:	6750 FOSTER BRIDGE BOULEVARD
City,State,Zip:	BELL GARDENS, CA 90201
Facility ID:	60001674
Status:	Refer: EPA
Status Date:	09/24/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.96883
Longitude:	-118.1403
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NONE SPECIFIED
Alias Name:	60001674
Alias Type:	Envirostor ID Number

Completed Info:

SIPPLE PROPERTY (Continued) **S111842229**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	09/24/1999
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

N86 **FLEXCO, INC** **ENVIROSTOR** **S106831153**
WSW **6855 SUVA ST** **EMI** **N/A**
1/2-1 **BELL GARDENS, CA 90201**
0.740 mi.
3906 ft. **Site 2 of 3 in cluster N**

Relative: **Lower**

Actual: **132 ft.**

ENVIROSTOR:

Name:	FLEXCO INC.
Address:	6855 SUVA STREET
City,State,Zip:	BELL GARDENS, CA 90201
Facility ID:	60001696
Status:	Refer: EPA
Status Date:	12/10/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.96727
Longitude:	-118.1391
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	Methyl ethyl ketone (2-Butanone
Confirmed COC:	Methyl ethyl ketone (2-Butanone
Potential Description:	SOIL
Alias Name:	60001696
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

FLEXCO, INC (Continued) **S106831153**

Completed Document Type:	Site Screening
Completed Date:	12/10/1999
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

EMI:

Name:	FLEXCO, INC
Address:	6855 SUVA ST
City,State,Zip:	BELL GARDENS, CA 90201
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	8467
Air District Name:	SC
SIC Code:	3052
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:	7
Reactive Organic Gases Tons/Yr:	7
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

Name:	FLEXCO, INC
Address:	6855 SUVA ST
City,State,Zip:	BELL GARDENS, CA 90201
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	8467
Air District Name:	SC
SIC Code:	3052
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

Name:	FLEXCO, INC
Address:	6855 SUVA ST

FLEXCO, INC (Continued) **S106831153**

City,State,Zip:	BELL GARDENS, CA 90201
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	8467
Air District Name:	SC
SIC Code:	3052
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

Name:	FLEXCO, INC
Address:	6855 SUVA ST
City,State,Zip:	BELL GARDENS, CA 90201
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	8467
Air District Name:	SC
SIC Code:	3052
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

N87 **ENTERPRISE POWDER COATING INC.** **ENVIROSTOR** **S112057196**
WSW **6840 SUVA STREET** **N/A**
1/2-1 **BELL GARDENS, CA 90201**
0.752 mi.
3970 ft. **Site 3 of 3 in cluster N**

Relative: ENVIROSTOR:
Lower

Name:	ENTERPRISE POWDER COATING INC.
Address:	6840 SUVA STREET
City,State,Zip:	BELL GARDENS, CA 90201
Facility ID:	60001723
Status:	No Further Action
Status Date:	02/22/2000
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

Actual:
132 ft.

ENTERPRISE POWDER COATING INC. (Continued) **S112057196**

Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 50
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.96634
Longitude: -118.1400
APN: NONE SPECIFIED
Past Use: MANUFACTURING - OTHER, UNDERGROUND STORAGE TANKS
Potential COC: TPH-gas 1,1,1-Trichloroethane (TCA
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 60001723
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: 02/22/2000
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

88
WSW
1/2-1
0.790 mi.
4172 ft.

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROP **ENVIROSTOR** **S112999458**
6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. **VCP** **N/A**
BELL GARDENS, CA 90201 **DEED**
HAZNET

Relative:
Lower

Actual:
132 ft.

ENVIROSTOR:
Name: 6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES
Address: 6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD.
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 60001333
Status: Active
Status Date: 05/02/2014
Site Code: 301846
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 2.27
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Rania Zabaneh
Supervisor: Eileen Mananian

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Division Branch: Cleanup Cypress
Assembly: 58
Senate: 33
Special Program: Voluntary Cleanup Program
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.96781
Longitude: -118.1404
APN: 6358-015-019, 6358-015-020, 6358015019, 6358015020
Past Use: AGRICULTURAL - ROW CROPS, FUEL - VEHICLE STORAGE/ REFUELING, MACHINE SHOP, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE, WASTE - INDUSTRIAL WASTE LINE
Potential COC: Tetrachloroethylene (PCE Trichloroethylene (TCE Trichloroethylene (TCE
Confirmed COC: Trichloroethylene (TCE Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description: SOIL, SV, IA, OTH, SOIL, SV
Alias Name: 6358-015-019
Alias Type: APN
Alias Name: 6358-015-020
Alias Type: APN
Alias Name: 6358015019
Alias Type: APN
Alias Name: 6358015020
Alias Type: APN
Alias Name: 301494
Alias Type: Site Code - Historical
Alias Name: 301494
Alias Type: Project Code (Site Code)
Alias Name: 301832
Alias Type: Project Code (Site Code)
Alias Name: 301837
Alias Type: Project Code (Site Code)
Alias Name: 301846
Alias Type: Project Code (Site Code)
Alias Name: 60001333
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/14/2012
Comments: A final request for payment of overdue invoices was sent by certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/13/2012
Comments: 2nd Request for payment sent by certified mail.

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/14/2012
Comments: 1st Reminder sent for unpaid past due invoices.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/05/2018
Comments: Certification with LUC letter was sent to current owner Mr. Robin Chretien.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/07/2014
Comments: New consultant, CDR Group, is preparing Workplan. Meeting with DTSC on Dec 8, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/10/2011
Comments: Project placed on inactive status - further investigation required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/16/2016
Comments: Fieldwork completed. No final document necessary. The SSI Report is uploaded under that activity. I will upload the final SSI Report once it is finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/06/2015
Comments: DTSC mailed the approval letter to the RP today. Emailed pdf to Dinesh and owner, Don Duffy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/23/2015
Comments: Soil & Soil Gas workplan implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/19/2015

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/11/2015
Comments: DTSC approved workplan. Workplan will be implemented on 6/16/15 (bldg survey) and 6/18/15 (sampling).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/23/2015
Comments: DTSC conducted oversight of indoor air sampling event today performed by consultant's RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/20/2016
Comments: DTSC approved the Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/03/2016
Comments: 2nd Indoor Air Sampling Workplan Implementation conducted on 3/2/2016. DTSC toxicologist, CY Jeng, conducted oversight of the fieldwork. An email from his site visit is uploaded here.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2014
Comments: Letter sent to RP with cost estimate for FY 14/15 as part of resuming project after 3 years hold due to economic difficulty.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Document Type: Land Use Restriction
Completed Date: 10/28/2016
Comments: County of LA re-recorded the LUC for this parcel and DTSC received it today.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2015
Comments: DTSC mailed annual cost estimation letter to RP on 8/19/2015 and emailed it to RP on 8/20/2015.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/12/2018
Comments: VCA executed with new owner, Henry Chung, who bought the property on July 2, 2018.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2018
Comments: DTSC sent annual cost estimate to RP on 9/14/2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/05/2015
Comments: Not reported

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/28/2016
Comments: County of Los Angeles re-recorded the LUC for this Suva Parcel and DTSC received it today.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Ability To Pay
Completed Date: 02/08/2018
Comments: RP paid off balance.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/25/2018
Comments: Per RP’s request, DTSC prepared a letter to clarify the LUC requirements.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/29/2018
Comments: Report submitted by RP on 8/24/2018 and DTSC issued approval email on 8/29/2018.

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Area Name:	Suva Street Parcel
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	09/17/2018
Comments:	RP submitted signed 2018 annual LUC inspection report on September 2018 and DTSC approved it via email on September 17, 2018.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	03/14/2011
Comments:	DTSC commented on Phase I and further action is required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	02/18/2015
Comments:	DTSC approved Workplan.
Completed Area Name:	Suva Street Parcel
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	09/13/2018
Comments:	RP responded adequately to DTSC's comments on September 13, 2018 and DTSC issued an approval email regarding the 2nQ2018 GW Monitoring Report revised on July 19, 2018.
Completed Area Name:	SITES WITH NO OPERABLE UNIT
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/04/2018
Comments:	Robins Jean increased the parcel size of Foster Bridge Parcel to include parking space. The recorded documents showing the change are uploaded here.
Completed Area Name:	Suva Street Parcel
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/03/2018
Comments:	DTSC issued approval of Report in an email dated today.
Future Area Name:	Suva Street Parcel
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2020
Future Area Name:	Suva Street Parcel
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2021
Future Area Name:	Foster Bridge Parcel
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2021
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Schedule Revised Date: Not reported

VCP:

Name:	6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES
Address:	6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD.
City,State,Zip:	BELL GARDENS, CA 90201
Facility ID:	60001333
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.27
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Rania Zabaneh
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	301846
Assembly:	58
Senate:	33
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	05/02/2014
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.96781 / -118.1404
APN:	6358-015-019, 6358-015-020, 6358015019, 6358015020
Past Use:	AGRICULTURAL - ROW CROPS, FUEL - VEHICLE STORAGE/ REFUELING, MACHINE SHOP, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE, WASTE - INDUSTRIAL WASTE LINE
Potential COC:	30022, 30027, 30027
Confirmed COC:	30027,, ,30022,30027
Potential Description:	SOIL, SV, IA, OTH, SOIL, SV
Alias Name:	6358-015-019
Alias Type:	APN
Alias Name:	6358-015-020
Alias Type:	APN
Alias Name:	6358015019
Alias Type:	APN
Alias Name:	6358015020
Alias Type:	APN
Alias Name:	301494
Alias Type:	Site Code - Historical
Alias Name:	301494
Alias Type:	Project Code (Site Code)
Alias Name:	301832
Alias Type:	Project Code (Site Code)
Alias Name:	301837
Alias Type:	Project Code (Site Code)
Alias Name:	301846
Alias Type:	Project Code (Site Code)
Alias Name:	60001333
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/15/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/14/2012
Comments: A final request for payment of overdue invoices was sent by certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 04/13/2012
Comments: 2nd Request for payment sent by certified mail.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/14/2012
Comments: 1st Reminder sent for unpaid past due invoices.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/05/2018
Comments: Certification with LUC letter was sent to current owner Mr. Robin Chretien.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/07/2014
Comments: New consultant, CDR Group, is preparing Workplan. Meeting with DTSC on Dec 8, 2014.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/10/2011
Comments: Project placed on inactive status - further investigation required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/16/2016
Comments: Fieldwork completed. No final document necessary. The SSI Report is uploaded under that activity. I will upload the final SSI Report once it is finalized.

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/06/2015
Comments: DTSC mailed the approval letter to the RP today. Emailed pdf to Dinesh and owner, Don Duffy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/23/2015
Comments: Soil & Soil Gas workplan implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/19/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 06/11/2015
Comments: DTSC approved workplan. Workplan will be implemented on 6/16/15 (bldg survey) and 6/18/15 (sampling).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/23/2015
Comments: DTSC conducted oversight of indoor air sampling event today performed by consultant's RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/21/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/11/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/20/2016
Comments: DTSC approved the Workplan.

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/03/2016
Comments: 2nd Indoor Air Sampling Workplan Implementation conducted on 3/2/2016. DTSC toxicologist, CY Jeng, conducted oversight of the fieldwork. An email from his site visit is uploaded here.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2014
Comments: Letter sent to RP with cost estimate for FY 14/15 as part of resuming project after 3 years hold due to economic difficulty.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/28/2016
Comments: County of LA re-recorded the LUC for this parcel and DTSC received it today.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/20/2015
Comments: DTSC mailed annual cost estimation letter to RP on 8/19/2015 and emailed it to RP on 8/20/2015.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 10/12/2018
Comments: VCA executed with new owner, Henry Chung, who bought the property on July 2, 2018.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2018
Comments: DTSC sent annual cost estimate to RP on 9/14/2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/05/2015
Comments: Not reported

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/28/2016
Comments: County of Los Angeles re-recorded the LUC for this Suva Parcel and DTSC received it today.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Completed Document Type: Ability To Pay
Completed Date: 02/08/2018
Comments: RP paid off balance.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/25/2018
Comments: Per RP's request, DTSC prepared a letter to clarify the LUC requirements.

Completed Area Name: Foster Bridge Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/29/2018
Comments: Report submitted by RP on 8/24/2018 and DTSC issued approval email on 8/29/2018.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 09/17/2018
Comments: RP submitted signed 2018 annual LUC inspection report on September 2018 and DTSC approved it via email on September 17, 2018.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/14/2011
Comments: DTSC commented on Phase I and further action is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/18/2015
Comments: DTSC approved Workplan.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/13/2018
Comments: RP responded adequately to DTSC's comments on September 13, 2018 and DTSC issued an approval email regarding the 2nQ2018 GW Monitoring Report revised on July 19, 2018.

Completed Area Name: SITES WITH NO OPERABLE UNIT
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/04/2018
Comments: Robins Jean increased the parcel size of Foster Bridge Parcel to include parking space. The recorded documents showing the change are uploaded here.

Completed Area Name: Suva Street Parcel
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/03/2018

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Comments: DTSC issued approval of Report in an email dated today.

Future Area Name: Suva Street Parcel
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2020
Future Area Name: Suva Street Parcel
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
Future Area Name: Foster Bridge Parcel
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
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

DEED:
Name: 6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES
Address: 6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD.
City,State,Zip: BELL GARDENS, CA 90201
Envirostor ID: 60001333
Area: FOSTER BRIDGE PARCEL
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 10/28/2016
File Name: Envirostor Land Use Restrictions

Name: 6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES
Address: 6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD.
City,State,Zip: BELL GARDENS, CA 90201
Envirostor ID: 60001333
Area: SUVA STREET PARCEL
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 10/28/2016
File Name: Envirostor Land Use Restrictions

HAZNET:
Name: 1X MID-CITIES PAPER BOX CO
Address: 6801 SUVA ST
City,State,Zip: BELL GARDENS, CA 902010000
Year: 2000
GEPAID: CAD008390692
Contact: ED TELLES/DIR OF OPERATIONS
Telephone: 5629271431
Mailing Name: Not reported

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

Mailing Address: 6801 SUVA ST
Mailing City,St,Zip: BELL GARDENS, CA 902010000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.05
CA Waste Code: 141-Off-specification, aged or surplus inorganics
Method: H01-Transfer Station
Facility County: Los Angeles

Name: 1X MID-CITIES PAPER BOX CO
Address: 6801 SUVA ST
City,State,Zip: BELL GARDENS, CA 902010000
Year: 2000
GEPAID: CAD008390692
Contact: ED TELLES/DIR OF OPERATIONS
Telephone: 5629271431
Mailing Name: Not reported
Mailing Address: 6801 SUVA ST
Mailing City,St,Zip: BELL GARDENS, CA 902010000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.05
CA Waste Code: 331-Off-specification, aged or surplus organics
Method: H01-Transfer Station
Facility County: Los Angeles

Name: 1X MID-CITIES PAPER BOX CO
Address: 6801 SUVA ST
City,State,Zip: BELL GARDENS, CA 902010000
Year: 2000
GEPAID: CAD008390692
Contact: ED TELLES/DIR OF OPERATIONS
Telephone: 5629271431
Mailing Name: Not reported
Mailing Address: 6801 SUVA ST
Mailing City,St,Zip: BELL GARDENS, CA 902010000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Tons: 0.2
CA Waste Code: 181-Other inorganic solid waste
Method: R01-Recycler
Facility County: Los Angeles

Name: 1X MID-CITIES PAPER BOX CO
Address: 6801 SUVA ST
City,State,Zip: BELL GARDENS, CA 902010000
Year: 2000
GEPAID: CAD008390692
Contact: ED TELLES/DIR OF OPERATIONS
Telephone: 5629271431
Mailing Name: Not reported
Mailing Address: 6801 SUVA ST
Mailing City,St,Zip: BELL GARDENS, CA 902010000
Gen County: Los Angeles

6801 SUVA STREET AND 6814 FOSTER BRIDGE BLVD. PROPERTIES (Continued) **S112999458**

TSD EPA ID: CAT080033681
TSD County: Los Angeles
Tons: 0.462
CA Waste Code: 135-Unspecified aqueous solution
Method: R01-Recycler
Facility County: Los Angeles

Name: 1X MID-CITIES PAPER BOX CO
Address: 6801 SUVA ST
City,State,Zip: BELL GARDENS, CA 902010000
Year: 2000
GEPAID: CAD008390692
Contact: ED TELLES/DIR OF OPERATIONS
Telephone: 5629271431
Mailing Name: Not reported
Mailing Address: 6801 SUVA ST
Mailing City,St,Zip: BELL GARDENS, CA 902010000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Tons: 0.385
CA Waste Code: 352-Other organic solids
Method: R01-Recycler
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
19 additional CA_HAZNET: record(s) in the EDR Site Report.

89
WSW
1/2-1
0.824 mi.
4351 ft.

DOWNEY VENDORS, INC **ENVIROSTOR** **S104241820**
6814 SUVA STREET **VCP** **N/A**
BELL GARDENS, CA 90201

Relative: Lower

Actual: 131 ft.

ENVIROSTOR:
Name: DOWNEY VENDORS, INC
Address: 6814 SUVA STREET
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 19420035
Status: No Further Action
Status Date: 06/30/2003
Site Code: 300749
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 1.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 58
Senate: 33
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.96664

DOWNEY VENDORS, INC (Continued) **S104241820**

Longitude: -118.1409
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: Cadmium and compounds Chromium VI Mercury and compounds
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: DOWNEY VENDORS
Alias Type: Alternate Name
Alias Name: 110033617708
Alias Type: EPA (FRS #)
Alias Name: 300749
Alias Type: Project Code (Site Code)
Alias Name: 19420035
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 12/13/1999
Comments: Voluntary Cleanup Agreement was signed for DTSC to provide oversight of a remedial investigation/feasibilty study and removal action. This site is located adjacent to Chrome Crankshaft (where an Imminent and/or Substantial Endangerment Order was issued). The Suva Intermediate School is also adjacent to this site. The extent of chromium contamination is to be investigated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/16/2011
Comments: Close-out Memo sent to CRU.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2003
Comments: Soil sampling was conducted at the site for metals. Sample results for the primary chemical of concern, Chrome VI, were all below 6 mg/kg. Other metals were below action levels. HERD reviewed risk calculations and determined that at these levels, the site was safe for unrestricted use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/15/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/26/2011
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

DOWNEY VENDORS, INC (Continued) **S104241820**

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

VCP:

Name:	DOWNEY VENDORS, INC
Address:	6814 SUVA STREET
City,State,Zip:	BELL GARDENS, CA 90201
Facility ID:	19420035
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Site Code:	300749
Assembly:	58
Senate:	33
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action
Status Date:	06/30/2003
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.96664 / -118.1409
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	30108, 30153, 30357
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	DOWNEY VENDORS
Alias Type:	Alternate Name
Alias Name:	110033617708
Alias Type:	EPA (FRS #)
Alias Name:	300749
Alias Type:	Project Code (Site Code)
Alias Name:	19420035
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	12/13/1999
Comments:	Voluntary Cleanup Agreement was signed for DTSC to provide oversight of a remedial investigation/feasibilty study and removal action. This site is located adjacent to Chrome Crankshaft (where an Imminent and/or Substantial Endangerment Order was issued). The Suva Intermediate School is also adjacent to this site. The extent of chromium contamination is to be investigated.

DOWNEY VENDORS, INC (Continued) **S104241820**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/16/2011
Comments:	Close-out Memo sent to CRU.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/30/2003
Comments:	Soil sampling was conducted at the site for metals. Sample results for the primary chemical of concern, Chrome VI, were all below 6 mg/kg. Other metals were below action levels. HERD reviewed risk calculations and determined that at these levels, the site was safe for unrestricted use.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Health & Safety Plan
Completed Date:	05/15/2000
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	07/26/2011
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

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90 WSW 1/2-1 0.845 mi. 4462 ft. **SUVA SCHOOLS**
6740 SUVA ST
BELL GARDENS, CA 90201

RESPONSE **S108751514**
ENVIROSTOR **N/A**
CERS

Relative: Lower

Actual: 131 ft.

RESPONSE:

Name:	SUVA SCHOOLS
Address:	6740 SUVA ST
City,State,Zip:	BELL GARDENS, CA 90201
Facility ID:	19820014
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.003
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress

SUVA SCHOOLS (Continued) **S108751514**

Site Code:	300714
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	58
Senate:	33
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	06/30/1999
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.96785
Longitude:	-118.1417
APN:	NONE SPECIFIED
Past Use:	METAL PLATING - CHROME
Potential COC :	Lead Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	SUVA ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	SUVA INTERMEDIATE SCHOOL
Alias Type:	Alternate Name
Alias Name:	SUVA SCHOOLS
Alias Type:	Alternate Name
Alias Name:	110033618896
Alias Type:	EPA (FRS #)
Alias Name:	300714
Alias Type:	Project Code (Site Code)
Alias Name:	19820014
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/30/1999
Comments:	A Removal Action was conducted for soil containing Hexavalent Chromium at the Suva School. Approximately 44 cubic yards of soil were removed. No further action is required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/25/1999
Comments:	Completed PEA at the Suva School Site. Based on PEA results a Removal Action was subsequently conducted.
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

ENVIROSTOR:

Name:	SUVA SCHOOLS

SUVA SCHOOLS (Continued) **S108751514**

Address: 6740 SUVA ST
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 19820014
Status: No Further Action
Status Date: 06/30/1999
Site Code: 300714
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.003
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 58
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.96785
Longitude: -118.1417
APN: NONE SPECIFIED
Past Use: METAL PLATING - CHROME
Potential COC: Lead Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: SUVA ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: SUVA INTERMEDIATE SCHOOL
Alias Type: Alternate Name
Alias Name: SUVA SCHOOLS
Alias Type: Alternate Name
Alias Name: 110033618896
Alias Type: EPA (FRS #)
Alias Name: 300714
Alias Type: Project Code (Site Code)
Alias Name: 19820014
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1999
Comments: A Removal Action was conducted for soil containing Hexavalent Chromium at the Suva School. Approximately 44 cubic yards of soil were removed. No further action is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/25/1999
Comments: Completed PEA at the Suva School Site. Based on PEA results a Removal Action was subsequently conducted.

Future Area Name: Not reported

SUVA SCHOOLS (Continued) **S108751514**

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

CERS:
Name: SUVA SCHOOLS
Address: 6740 SUVA ST
City,State,Zip: BELL GARDENS, CA 90201
Site ID: 343668
CERS ID: 19820014
CERS Description: State Response

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: * Greg Holmes
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

91
SW
1/2-1
0.856 mi.
4521 ft.

EMPIRE RECYCLING CENTER **ENVIROSTOR** **S112057197**
7214 SCOUT AVENUE **N/A**
BELL GARDENS, CA 90201

Relative:
Lower

Actual:
130 ft.

ENVIROSTOR:
Name: EMPIRE RECYCLING CENTER
Address: 7214 SCOUT AVENUE
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 60001724
Status: No Further Action
Status Date: 02/14/2000
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: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant

EMPIRE RECYCLING CENTER (Continued) **S112057197**

Latitude: 33.96474
Longitude: -118.1399
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE
Potential COC: TPH-diesel TPH-MOTOR OIL
Confirmed COC: 30024-NO 3002502-NO
Potential Description: SOIL
Alias Name: 60001724
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: 02/14/2000
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

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92 South 1/2-1 0.872 mi. 4604 ft.

GRIFFITHS MIDDLE SCHOOL **ENVIROSTOR S106044335**
9633 TWEEDY LANE **SCH N/A**
DOWNEY, CA 90240 **CERS**

Relative: Lower

Actual: 132 ft.

ENVIROSTOR:
Name: GRIFFITHS MIDDLE SCHOOL
Address: 9633 TWEEDY LANE
City,State,Zip: DOWNEY, CA 90240
Facility ID: 19820108
Status: Inactive - Withdrawn
Status Date: 04/24/2019
Site Code: 304675
Site Type: School Investigation
Site Type Detailed: School
Acres: 9.6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 58
Senate: 32
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.95973

GRIFFITHS MIDDLE SCHOOL (Continued) **S106044335**

Longitude: -118.1300
APN: 636-000-4907
Past Use: * EDUCATIONAL SERVICES
Potential COC: Arsenic Chlordane DDD DDE DDT
Confirmed COC: Arsenic 30004-NO DDD DDE DDT
Potential Description: SOIL
Alias Name: DOWNEY UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: DOWNEY USD-GRIFFITHS MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: GRIFFITHS MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: North Middle School
Alias Type: Alternate Name
Alias Name: 636-000-4907
Alias Type: APN
Alias Name: 110002775346
Alias Type: EPA (FRS #)
Alias Name: 304433
Alias Type: Project Code (Site Code)
Alias Name: 304675
Alias Type: Project Code (Site Code)
Alias Name: 19820108
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: 11/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/16/2007
Comments: CRU complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/11/2005
Comments: Further action necessary for high arsenic.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

GRIFFITHS MIDDLE SCHOOL (Continued) **S106044335**

Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	12/24/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	11/19/2018
Comments:	DTSC determined that a PEA is requred.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement Application
Completed Date:	11/28/2018
Comments:	Not reported

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Preliminary Endangerment Assessment Report
Future Due Date:	2019
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:	GRIFFITHS MIDDLE SCHOOL
Address:	9633 TWEEDY LANE
City,State,Zip:	DOWNEY, CA 90240
Facility ID:	19820108
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	9.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304675
Assembly:	58
Senate:	32
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	04/24/2019
Restricted Use:	NO
Funding:	School District
Latitude:	33.95973
Longitude:	-118.1300
APN:	636-000-4907
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	Arsenic, Chlordane, DDD, DDE, DDT
Confirmed COC:	Arsenic, 30004-NO, DDD, DDE, DDT

GRIFFITHS MIDDLE SCHOOL (Continued) **S106044335**

Potential Description: SOIL
Alias Name: DOWNEY UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: DOWNEY USD-GRIFFITHS MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: GRIFFITHS MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: North Middle School
Alias Type: Alternate Name
Alias Name: 636-000-4907
Alias Type: APN
Alias Name: 110002775346
Alias Type: EPA (FRS #)
Alias Name: 304433
Alias Type: Project Code (Site Code)
Alias Name: 304675
Alias Type: Project Code (Site Code)
Alias Name: 19820108
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: 11/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/16/2007
Comments: CRU complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/11/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/11/2005
Comments: Further action necessary for high arsenic.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 12/24/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE

GRIFFITHS MIDDLE SCHOOL (Continued) **S106044335**

Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/19/2018
Comments: DTSC determined that a PEA is requred.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement Application
Completed Date: 11/28/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Preliminary Endangerment Assessment Report
Future Due Date: 2019
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

CERS:
Name: GRIFFITHS MIDDLE SCH
Address: 9633 TWEEDY LANE
City,State,Zip: DOWNEY, CA 90240
Site ID: 337999
CERS ID: 19820108
CERS Description: School Cleanup

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: JOHNSON ABRAHAM
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: SHAHIR HADDAD
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

O93 **J&S CHROME PLATING** **SEMS** **1000106932**
WSW **683 FLORENCE PLACE** **HIST Cal-Sites** **CAD982400343**
1/2-1 **BELL GARDENS, CA 90201** **SWEEPS UST**
0.877 mi. **HIST UST**
4629 ft. **Site 1 of 4 in cluster O** **LOS ANGELES CO. HMS**

Relative:
Lower

Actual:
130 ft.

SEMS:

Site ID:	0900038
EPA ID:	CAD982400343
Cong District:	30
FIPS Code:	06037
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

Region:	09
Site ID:	0900038
EPA ID:	CAD982400343
Site Name:	J&S CHROME PLATING
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1991-09-06 04:00:00
Finish Date:	3/31/1992 5:00:00 AM
Qual:	L
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900038
EPA ID:	CAD982400343
Site Name:	J&S CHROME PLATING
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	10/4/1989 4:00:00 AM
Qual:	H
Current Action Lead:	St Perf

Region:	09
Site ID:	0900038
EPA ID:	CAD982400343
Site Name:	J&S CHROME PLATING
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1988-06-01 04:00:00
Finish Date:	6/1/1988 4:00:00 AM

J&S CHROME PLATING (Continued) **1000106932**

Qual: Not reported
Current Action Lead: St Perf

Region: 09
Site ID: 0900038
EPA ID: CAD982400343
Site Name: J&S CHROME PLATING
NPL: N
FF: N
OU: 00
Action Code: VA
Action Name: OTHR CLEANUP
SEQ: 1
Start Date: 2000-10-01 04:00:00
Finish Date: Not reported
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0900038
EPA ID: CAD982400343
Site Name: J&S CHROME PLATING
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2000-08-15 04:00:00
Finish Date: 6/6/2001 4:00:00 AM
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0900038
EPA ID: CAD982400343
Site Name: J&S CHROME PLATING
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 2
Start Date: Not reported
Finish Date: 6/13/2006 4:00:00 AM
Qual: H
Current Action Lead: St Perf

Calsite:
Name: J & S CHROME PLATING
Address: 6863 FLORENCE PL
City: BELL GARDENS
Region: GLENDALE
Facility ID: 19340358
Facility Type: RP
Type: RESPONSIBLE PARTY

J&S CHROME PLATING (Continued) **1000106932**

Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	08151995
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	34
SIC Name:	MANU - FABRICATED METAL PRODUCTS
Access:	Controlled
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	YAREF
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	50
State Senate District Code:	30
Facility ID:	19340358
Activity:	DISC
Activity Name:	DISCOVERY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11031980
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03201987

J&S CHROME PLATING (Continued) **1000106932**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10041989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	UNILA
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12182002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

J&S CHROME PLATING (Continued) **1000106932**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312004
Revised Due Date:	06302005
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISED
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11082000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	DES

J&S CHROME PLATING (Continued) **1000106932**

Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	09302006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

J&S CHROME PLATING (Continued) **1000106932**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	09302007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340358
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302032
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

J&S CHROME PLATING (Continued) **1000106932**

For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 6863 EAST FLORENCE PLACE
Alternate City,St,Zip: BELL GARDENS, CA 90201
Alternate Address: 6863 FLORENCE PL
Alternate City,St,Zip: BELL GARDENS, CA 90201
Background Info: J & S Chrome Plating operated a chrome plating facility from 1953 to 1999. The manufacturing process consisted of chrome, zinc, and cadmium plating of metal. Solvent degreasing operations were also performed using napthylene, methyl ethyl ketone, trichloroethylene, tetrachloroethylene, & 1,1,1-trichloroethane. The two-acre site is divided into two parcels; North Parcel and South Parcel. All plating operations were reportedly performed on the South Parcel. The North Parcel is undeveloped land. Some soil remediation at the South Parcel was carried-out under the Los Angeles Regional Water Quality Control Board in 1995. Realizing that subsequent cleanup at the site is needed, the site owner applied to the Cal/EPA Site Designation Committee requesting that the Department of Toxic Substances Control (DTSC) oversee further investigation and cleanup. Cal/EPA designated DTSC the overseeing agency for remaining investigation & cleanup on February 24, 1999.
Not reported
Groundwater at the site is approximately 70 feet below ground surface. A Remedial Action Plan to treat contaminated groundwater was approved by RWQCB but not implemented. In March 1999, the unpaved north lot was sampled and hexavalent chromium was detected in shallow soils ranging from 0.122-67 mg/kg at the surface and decreasing to less than 2 mg/kg for samples collected from one- to five-feet below ground surface.
Not reported
Following DTSC's requirement that the unpaved north lot be covered, a contractor for J&S Chrome Plating submitted a Removal Action Work Plan (RAW) for paving north lot. Also, a draft Investigation Report was submitted to DTSC with a recommendation for future areas of investigation. DTSC provided comments on both the draft RAW and Investigation Report. DTSC forwarded additional comments for a revised RAW and Health and Safety Plan in December 1999 and also forwarded final comments on the Investigation Report with a request for an RI/FS Work Plan in September 1999. In September 2001, soil sampling was done on the North Parcel and an RI report is due in December 2001.
Not reported
A state funding prioritization package was developed in June 2000 and $350,000 in Orphan Sites funds was allocated for the site. DTSC activated a task order with a State Contractor to investigate the site soil and to cover the north unpaved lot with asphalt. A CEQA Notice of Exemption through Title 14 Section 15061(b)(3) (No possibility of a significant effect) was approved for this activity.
Not reported
Comments Date: 01251985
Comments: INSPECTION(LOCAL) LA CO ENGINEER: WASTES STORED IN UNDIKED
Comments Date: 01251985
Comments: NON-APPROVED STORAGE FACILITY

J&S CHROME PLATING (Continued) **1000106932**

Comments Date:	02031981
Comments:	LACSD SEWERED FAC
Comments Date:	03101981
Comments:	FACILITY DRIVE-BY SHALLOW DRAINAGE DITCH WITH GREEN WATER.
Comments Date:	03101981
Comments:	SCRAP METAL ON PROPERTY.
Comments Date:	03111981
Comments:	FINAL STRATEGY SITE REFERRED: TO LACE,HWMB,RWQCB
Comments Date:	03201987
Comments:	SITE SCREENING DONE CERCLIS SITE: CHROME PLATING, HAZARDOUS
Comments Date:	03201987
Comments:	WASTE DISPOSAL ON SITE.
Comments Date:	03271982
Comments:	FACILITY DRIVE-BY SITE CLEANED UP
Comments Date:	04011999
Comments:	A limited subsurface soil investigation of North Parcel Area
Comments Date:	04011999
Comments:	was performed. Results confirmed hexavolent chromium
Comments Date:	04011999
Comments:	contamination ranging from 0.06 to 67.00 ppm.
Comments Date:	04011999
Comments:	Not reported
Comments Date:	04011999
Comments:	Not reported
Comments Date:	04171986
Comments:	FACILITY DRIVE-BY NO STAINING SEEN. CONE HOPPER SEEN.
Comments Date:	04221991
Comments:	HAZD. RANKING SCORE 17.53
Comments Date:	04221991
Comments:	HRS PACKAGE COMPLETED 3-21-90
Comments Date:	04221991
Comments:	DEPT. MAILED PACKAGE TO RP 4-18-91 FOR
Comments Date:	04221991
Comments:	REVIEW AND COMMENTS
Comments Date:	05081988
Comments:	DEPT OF PUB WK: INSP HISTORY
Comments Date:	06101991
Comments:	EPA/CERCLA SITE
Comments Date:	06151988
Comments:	FACILITY DRIVE-BY FAC IS COMPLETELY PAVED; SOME STAINING
Comments Date:	06151988
Comments:	OF PAVEMENT NOTED; DRUMS & DIP TANK
Comments Date:	06151988
Comments:	OBSERVED (CONTENTS UNKNOWN).
Comments Date:	06281993
Comments:	THE DEPT RECEIVED A SI REPORT FROM U.S. EPA RECOMMENDS
Comments Date:	06281993
Comments:	LOWER PRIORITY FOR FURTHER SITE ASSESSMENT ON 3/31/92.
Comments Date:	06301988
Comments:	PRELIM ASSESS DONE SI LOW: IDENTIFY LEVELS OF SOIL CONTMN
Comments Date:	06301995
Comments:	Remediation of 3,600 tons of metals contaminated soil was
Comments Date:	06301995
Comments:	excavated, treated, and backfilled on-site under regulatory
Comments Date:	06301995
Comments:	oversight of Los Angeles Regional Water Quality Control
Comments Date:	06301995

J&S CHROME PLATING (Continued) **1000106932**

Comments:	Board (LARWQCB). Due to increased volume of treated soil,
Comments Date:	06301995
Comments:	additional soil was excavated to provide backfill space.
Comments Date:	06301995
Comments:	This additional excavated soil was spread on the undeveloped
Comments Date:	06301995
Comments:	North Parcel Area. A letter of no further action was issued
Comments Date:	06301995
Comments:	by LARWQCB regarding soil cleanup.
Comments Date:	06301995
Comments:	Not reported
Comments Date:	07221981
Comments:	LACE: NOV & ORDER; SITE EXCAVATED 3 FT.
Comments Date:	07221981
Comments:	SOIL TEST - CR 620,1560; CD 280,110; PB
Comments Date:	07221981
Comments:	640,510 MG/KG.
Comments Date:	08081988
Comments:	SUBMIT TO EPA NFA FOR EPA: SITE DOES NOT APPEAR TO BE
Comments Date:	08081988
Comments:	AN NPL CANDIDATE.
Comments Date:	09091987
Comments:	LA CO SANITATION DIST.: INSPECTION HIST
Comments Date:	09202001
Comments:	Soil investigation of the North Parcel for metals and volatile
Comments Date:	09202001
Comments:	organics.
Comments Date:	10041989
Comments:	SITE SCREENING DONE EPA REVIEWED DHS' PRELIMINARY ASSESSMENT
Comments Date:	10041989
Comments:	AND CHANGED REOMMENDATION TO SCREENING
Comments Date:	10041989
Comments:	SITE INSPECTION (MEDIUM).
Comments Date:	10301981
Comments:	Q RETURNED EPA CAD NUMBER ONLY
Comments Date:	11031980
Comments:	FACILITY IDENTIFIED FAC ID LACE
Comments Date:	11031980
Comments:	LACE METAL PLATING CAUSTICS DUMPED 62
Comments Date:	11081980
Comments:	RWQCB NO RECORD
Comments Date:	11082000
Comments:	I & SE Determination issued.
Comments Date:	12011998
Comments:	J&S Chrome submitted an application to Cal/EPA Site Designation
Comments Date:	12011998
Comments:	Committee under AB2061 requesting that DTSC be designated as
Comments Date:	12011998
Comments:	administering agency for site investigation and cleanup.
Comments Date:	12011998
Comments:	This application was approved on 02/24/99.
Comments Date:	12011998
Comments:	Not reported
Comments Date:	12171999
Comments:	DTSC provided comments on a draft Removal Action Workplan to
Comments Date:	12171999
Comments:	pave all exposed areas on the property.

J&S CHROME PLATING (Continued) **1000106932**

Comments Date: 12182002
Comments: An Imminent and Substantial Endangerment and Remedial Action
Comments Date: 12182002
Comments: Order was issued to J & S Chrome Plating Inc.
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD008359002
ID Name: CALSTARS CODE
ID Value: 300255
Alternate Name: J & S CHROME PLATING
Alternate Name: Not reported
Special Programs Code: CERC2
Special Programs Name: CERCLA II

SWEEPS UST:
Name: J & S CHROME PLATING CO INC
Address: 6863 E FLORENCE PL
City: BELL GARDENS
Status: Active
Comp Number: 1529
Number: 9
Board Of Equalization: 44-007567
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001529-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 4

Name: J & S CHROME PLATING CO INC
Address: 6863 E FLORENCE PL
City: BELL GARDENS
Status: Active
Comp Number: 1529
Number: 9
Board Of Equalization: 44-007567
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001529-000002
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: J & S CHROME PLATING CO INC
Address: 6863 E FLORENCE PL
City: BELL GARDENS

J&S CHROME PLATING (Continued) **1000106932**

Status: Active
Comp Number: 1529
Number: 9
Board Of Equalization: 44-007567
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001529-000003
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: J & S CHROME PLATING CO INC
Address: 6863 E FLORENCE PL
City: BELL GARDENS
Status: Active
Comp Number: 1529
Number: 9
Board Of Equalization: 44-007567
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001529-000004
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: JANDS CHROME PLATING CO INC
Address: 6863 E FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
File Number: 00027095
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027095.pdf
Region: STATE
Facility ID: 00000050572
Facility Type: Other
Other Type: ELECTRO PLATING
Contact Name: JAMES JOSEPH MANCUSO
Telephone: 2139271365
Owner Name: J&S CHROME PLATING CO., INC.
Owner Address: 6863 E. FLORENCE PLACE
Owner City,St,Zip: BELL GARDENS, CA 902013239
Total Tanks: 0004

Tank Num: 001
Container Num: #5
Year Installed: 1956

J&S CHROME PLATING (Continued) **1000106932**

Tank Capacity: 00000525
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 002
Container Num: #6
Year Installed: 1956
Tank Capacity: 00000525
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: Visual

Tank Num: 003
Container Num: #7
Year Installed: 1982
Tank Capacity: 00000440
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Visual

Tank Num: 004
Container Num: #1
Year Installed: 1956
Tank Capacity: 00000224
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 4
Leak Detection: Visual

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:
Name: J&S PLATING CO
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 902013239
Region: LA
Permit Category: I
Facility Id: 001456-I01529
Facility Type: 01
Facility Status: Removed
Area: 3Y
Permit Number: 000004349
Permit Status: Removed

Name: J&S PLATING CO
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 902013239
Region: LA
Permit Category: I
Facility Id: 001456-I01529
Facility Type: 01
Facility Status: Removed
Area: 3Y

J&S CHROME PLATING (Continued) **1000106932**

Permit Number: 00004349J
Permit Status: Removed

Name: J&S CHROME PLATING CO INC
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 902013239
Region: LA
Permit Category: T
Facility Id: 001456-001529
Facility Type: 0
Facility Status: Removed
Area: 3Y
Permit Number: 00005682T
Permit Status: Removed

Name: J&S CHROME PLATING CO INC
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 902013239
Region: LA
Permit Category: T
Facility Id: 001456-001529
Facility Type: 0
Facility Status: Removed
Area: 3Y
Permit Number: 0000T5682
Permit Status: Removed

O94 **J&S CHROME PLATING** **RESPONSE** **S103971219**
WSW **6863 FLORENCE PL** **ENVIROSTOR** **N/A**
1/2-1 **BELL GARDENS, CA 90201** **LIENS**
0.877 mi. **DEED**
4629 ft. **Site 2 of 4 in cluster O** **Cortese**
CERS

Relative:
Lower

Actual:
130 ft.

RESPONSE:
Name: J&S CHROME PLATING
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 19340358
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Hamid Hashemian
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 301734
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 58
Senate: 33
Special Program Status: Not reported
Status: Active
Status Date: 08/15/1995
Restricted Use: YES
Funding: Orphan Funds
Latitude: 33.96564

J&S CHROME PLATING (Continued) **S103971219**

Longitude:	-118.1411
APN:	6358-019-005, 6358-019-006
Past Use:	METAL PLATING - CHROME
Potential COC :	Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Thallium and compounds
Confirmed COC:	Thallium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Total Chromium (1:6 ratio Cr VI:Cr III Lead
Potential Description:	AQUI, SOIL
Alias Name:	6358-019-005
Alias Type:	APN
Alias Name:	6358-019-006
Alias Type:	APN
Alias Name:	CAD008359002
Alias Type:	EPA Identification Number
Alias Name:	110002633213
Alias Type:	EPA (FRS #)
Alias Name:	110033612801
Alias Type:	EPA (FRS #)
Alias Name:	SL2042B1531
Alias Type:	GeoTracker Global ID
Alias Name:	T0603701239
Alias Type:	GeoTracker Global ID
Alias Name:	300255
Alias Type:	Project Code (Site Code)
Alias Name:	301734
Alias Type:	Project Code (Site Code)
Alias Name:	19340358
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Imminent and/or Subst. Endangerment Determination
Completed Date:	11/08/2000
Comments:	I & SE Determination issued.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date:	12/18/2002
Comments:	An Imminent and Substantial Endangerment and Remedial Action Order was issued to J & S Chrome Plating Inc.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	11/03/1980
Comments:	FACILITY IDENTIFIED FAC ID LACE LACE METAL PLATING CAUSTICS DUMPED 62

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Imminent and/or Substantial Endangerment Order
Completed Date:	04/20/2007
Comments:	Amended order issued to new site owners to prevent releases at the site.

J&S CHROME PLATING (Continued) **S103971219**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/18/2008
Comments: CEQA completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 08/12/2008
Comments: A lien on the J&S Chrome Plating Site was recorded with the Los Angeles County Recorder's office.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/16/2009
Comments: DTSC sent the letter on 4/14/09.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/03/2010
Comments: Start Work issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/01/2010
Comments: Contract Fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 11/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/05/2010
Comments: CFA Fully Executed for O&M of the SVE System and implementation of the GW OU RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/15/2015
Comments: Contract Amendment #1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 04/21/2015
Comments: Work Order Amendment #1.

Completed Area Name: PROJECT WIDE

J&S CHROME PLATING (Continued) **S103971219**

Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 03/17/2014
Comments: PRP Identification Memorandum finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 12/19/2002
Comments: Uploaded I&SE from 2002

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/02/2007
Comments: Contract fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 10/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/05/2008
Comments: Amendment to extend contract term and funing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 11/24/2015
Comments: This Consent Decree outlines the approved settlement entered by James Mancuso and DTSC for all response costs incurred by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/02/2015
Comments: Amendment #2 executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order

J&S CHROME PLATING (Continued) **S103971219**

Completed Date: 11/02/2015
Comments: Work Order No.2 issued to Contractor.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Fully executed LUC was sent to owner to be recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 11/25/2015
Comments: A Consent Decree approved the settlement agreement between the settling parties: J&S Chrome Plating Co., Kenfield DEV LLC,James Mancuso and DTSC for past and future response costs incurred or to be incurred by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/31/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 11/02/2005
Comments: The feasibility study for the site has been approved, thereby completing the RI/FS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 10/04/1989
Comments: SITE SCREENING DONE EPA REVIEWED DHS' PRELIMINARY ASSESSMENT AND CHANGED RECOMMENDATION TO SCREENING SITE INSPECTION (MEDIUM).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/1988
Comments: PRELIM ASSESS DONE SI LOW: IDENTIFY LEVELS OF SOIL CONTMN

Completed Area Name: PROJECT WIDE

J&S CHROME PLATING (Continued) **S103971219**

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/20/1987
Comments: SITE SCREENING DONE CERCLIS SITE: CHROME PLATING, HAZARDOUS WASTE DISPOSAL ON SITE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/18/2007
Comments: Removal Action Scoping Completed by Geomatrix Consultants on May 18, 2007.

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/26/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/18/2008
Comments: The site became an orphan site, the work that the RP was conducting at the site was terminated. This document is placed on hold.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/09/2007
Comments: The Emergency Removal Action Plan has been completed and approved. A CEQA Negative Declaration and Initial Study are currently undergoing internal DTSC review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/09/2007
Comments: H&S Plan was reviewed by DTSC IH Staff. Comments were addressed and the Plan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/13/2007
Comments: Fact Sheets (English and Spanish) completed 12/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/01/2001

J&S CHROME PLATING (Continued) **S103971219**

Comments: Fact Sheet #1 completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/01/2002
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/18/2008
Comments: Final RAP was approved.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/2006
Comments: Site Screening Completed

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/23/2008
Comments: Approved by DTSC.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/21/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/31/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water

J&S CHROME PLATING (Continued) **S103971219**

Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/22/2010
Comments: DTSC received the Final Design for OU-2 GW Remediation dated March 2010

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/24/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/25/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2012
Comments: DTSC received the final GWM report 4th quarter.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/11/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

J&S CHROME PLATING (Continued) **S103971219**

Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/14/2012
Comments: This is an ongoing GW treatment plan, dated 6/2012.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2013
Comments: Graph - OU-2 EL2a/b System Cr(VI) Throughput

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

J&S CHROME PLATING (Continued) **S103971219**

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Routine Daily Operation Activities for Element 2

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/04/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/04/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

J&S CHROME PLATING (Continued) **S103971219**

Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/23/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/12/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/04/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/22/2015
Comments: Not reported

J&S CHROME PLATING (Continued) **S103971219**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/09/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/22/2017
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/2018
Comments: Routine report.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2019
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/18/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports

J&S CHROME PLATING (Continued) **S103971219**

Future Due Date: 2021
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

ENVIROSTOR:
Name: J&S CHROME PLATING
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 19340358
Status: Active
Status Date: 08/15/1995
Site Code: 301734
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Hamid Hashemian
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 58
Senate: 33
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.96564
Longitude: -118.1411
APN: 6358-019-005, 6358-019-006
Past Use: METAL PLATING - CHROME
Potential COC: Total Chromium (1:6 ratio Cr VI:Cr III Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Thallium and compounds
Confirmed COC: Thallium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Total Chromium (1:6 ratio Cr VI:Cr III Lead
Potential Description: AQUI, SOIL
Alias Name: 6358-019-005
Alias Type: APN
Alias Name: 6358-019-006
Alias Type: APN
Alias Name: CAD008359002
Alias Type: EPA Identification Number
Alias Name: 110002633213
Alias Type: EPA (FRS #)
Alias Name: 110033612801
Alias Type: EPA (FRS #)
Alias Name: SL2042B1531
Alias Type: GeoTracker Global ID
Alias Name: T0603701239
Alias Type: GeoTracker Global ID
Alias Name: 300255
Alias Type: Project Code (Site Code)

J&S CHROME PLATING (Continued) **S103971219**

Alias Name: 301734
Alias Type: Project Code (Site Code)
Alias Name: 19340358
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 11/08/2000
Comments: I & SE Determination issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 12/18/2002
Comments: An Imminent and Substantial Endangerment and Remedial Action Order was issued to J & S Chrome Plating Inc.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/03/1980
Comments: FACILITY IDENTIFIED FAC ID LACE LACE METAL PLATING CAUSTICS DUMPED 62

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 04/20/2007
Comments: Amended order issued to new site owners to prevent releases at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/18/2008
Comments: CEQA completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 08/12/2008
Comments: A lien on the J&S Chrome Plating Site was recorded with the Los Angeles County Recorder’s office.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/16/2009
Comments: DTSC sent the letter on 4/14/09.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/03/2010
Comments: Start Work issued.

Completed Area Name: PROJECT WIDE

J&S CHROME PLATING (Continued) **S103971219**

Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/01/2010
Comments: Contract Fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 11/21/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/05/2010
Comments: CFA Fully Executed for O&M of the SVE System and implementation of the GW OU RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/15/2015
Comments: Contract Amendment #1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 04/21/2015
Comments: Work Order Amendment #1.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 03/17/2014
Comments: PRP Identification Memorandum finalized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 12/19/2002
Comments: Uploaded I&SE from 2002

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

J&S CHROME PLATING (Continued) **S103971219**

Completed Date: 07/02/2007
Comments: Contract fully Executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 10/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/05/2008
Comments: Amendment to extend contract term and funing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 11/24/2015
Comments: This Consent Decree outlines the approved settlement entered by James Mancuso and DTSC for all response costs incurred by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/02/2015
Comments: Amendment #2 executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/02/2015
Comments: Work Order No.2 issued to Contractor.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: Fully executed LUC was sent to owner to be recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 11/25/2015
Comments: A Consent Decree approved the settlement agreement between the settling parties: J&S Chrome Plating Co., Kenfield DEV LLC,James Mancuso and DTSC for past and future response costs incurred or to be incurred by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 03/31/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

J&S CHROME PLATING (Continued) **S103971219**

Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/30/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 11/02/2005
Comments: The feasibility study for the site has been approved, thereby completing the RI/FS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 10/04/1989
Comments: SITE SCREENING DONE EPA REVIEWED DHS' PRELIMINARY ASSESSMENT AND CHANGED RECOMMENDATION TO SCREENING SITE INSPECTION (MEDIUM).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/1988
Comments: PRELIM ASSESS DONE SI LOW: IDENTIFY LEVELS OF SOIL CONTMN

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/20/1987
Comments: SITE SCREENING DONE CERCLIS SITE: CHROME PLATING, HAZARDOUS WASTE DISPOSAL ON SITE.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/18/2007
Comments: Removal Action Scoping Completed by Geomatrix Consultants on May 18, 2007.

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/26/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE

J&S CHROME PLATING (Continued) **S103971219**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/18/2008
Comments: The site became an orphan site, the work that the RP was conducting at the site was terminated. This document is placed on hold.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/09/2007
Comments: The Emergency Removal Action Plan has been completed and approved. A CEQA Negative Declaration and Initial Study are currently undergoing internal DTSC review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/09/2007
Comments: H&S Plan was reviewed by DTSC IH Staff. Comments were addressed and the Plan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/13/2007
Comments: Fact Sheets (English and Spanish) completed 12/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/01/2001
Comments: Fact Sheet #1 completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/01/2002
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/18/2008
Comments: Final RAP was approved.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/14/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/2006
Comments: Site Screening Completed

J&S CHROME PLATING (Continued) **S103971219**

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/23/2008
Comments: Approved by DTSC.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/21/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/31/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/22/2010
Comments: DTSC received the Final Design for OU-2 GW Remediation dated March 2010

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/24/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported

J&S CHROME PLATING (Continued) **S103971219**

Completed Document Type: Fact Sheets
Completed Date: 05/25/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2012
Comments: DTSC received the final GWM report 4th quarter.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/11/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/14/2012
Comments: This is an ongoing GW treatment plan, dated 6/2012.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2013
Comments: Not reported

J&S CHROME PLATING (Continued) **S103971219**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2013
Comments: Graph - OU-2 EL2a/b System Cr(VI) Throughput

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Routine Daily Operation Activities for Element 2

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

J&S CHROME PLATING (Continued) **S103971219**

Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/04/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/04/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/23/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/12/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/24/2014
Comments: Not reported

J&S CHROME PLATING (Continued) **S103971219**

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/20/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/17/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 09/04/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/09/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/22/2017
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

J&S CHROME PLATING (Continued) **S103971219**

Completed Date: 12/01/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/2018
Comments: Routine report.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2019
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/18/2019
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
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

LIENS:
Name: J&S CHROME PLATING
City,State,Zip: BELL GARDENS, CA 90201
Envirostor Id: 19340358
Latitude: 33.965645
Longitude: -118.14114
Project Mgr: HOSSEIN NASSIRI
Project Code: 300255, 301734
If Satisfied: NO
Date Satisfied: Not reported
Site Status: ACTIVE
Site Type: STATE RESPONSE OR NPL
Completed: 08/12/2008
Lien Amount: $3,689,000
Amount Remaining: Not reported
APNS: 6358-019-005, 6358-019-006
Description: J & S Chrome Plating operated a chrome plating facility from 1953 to 1999. The manufacturing process consisted of chrome, zinc and cadmium plating of metal. Solvent degreasing operations were also performed using napthylene, methyl ethyl ketone, trichloroethylene,

J&S CHROME PLATING (Continued) **S103971219**

tetrachloroethylene, & 1,1,1-trichloroethane. The two-acre site is divided into two parcels; the North Parcel and the South Parcel. All plating operations were reportedly performed on the South Parcel. The North Parcel is undeveloped land. Some soil remediation at the South Parcel was carried-out under the Los Angeles Regional Water Quality Control Board in 1995. Realizing that subsequent cleanup at the site is needed, the site owner applied to the Cal/EPA Site Designation Committee requesting that the Department of Toxic Substances Control (DTSC) oversee further investigation and cleanup. Cal/EPA designated DTSC the overseeing agency for remaining investigation & cleanup on February 24, 1999. Groundwater at the site is approximately 70 feet below ground surface. A Remedial Action Plan to treat contaminated ground- water was approved by RWQCB but not implemented. In March 1999, the unpaved north lot was sampled and hexavalent chromium was detected in shallow soils ranging from 0.122-67 mg/kg at the surface and decreasing to less than 2 mg/kg for samples collected from one to five feet below ground surface. Following DTSC's requirement that the unpaved north lot be covered, a contractor for J&S Chrome Plating submitted a Removal Action Work Plan (RAW) for paving north lot. Also, a draft Investigation Report was submitted to DTSC with a recommendation for future areas of investigation. DTSC provided comments on both the draft RAW and Investigation Report. DTSC forwarded additional comments for a revised RAW and Health and Safety Plan in December 1999 and also forwarded final comments on the Investigation Report with a request for an RI/FS Work Plan in September 1999. In September 2001, soil sampling was done on the North Parcel and an RI report is due in December 2001. A state funding prioritization package was developed in June 2000 and $350,000 in Orphan Sites funds was allocated for the site. DTSC activated a task order with a State Contractor to investigate the site soil and to cover the north unpaved lot with asphalt. A CEQA Notice of Exemption through Title 14 Section 15061(b)(3) (No possibility of a significant effect) was approved for this activity.The remedial construction activities were initiated on February 8, 2010, with construction of the on-site wells. All elements of the remedial construction were complete on June 25, 2010. Completion of minor construction and housekeeping activities were performed during July and August 2010. Preliminary startup and shakedown of the on-site hydraulic containment system (Element 2b) occurred in conjunction with the RA at OU-1 and was completed on June 17, 2010. Full-time operation of the system started in October 2010. On December 24, 2015, In exchange for release of all liability for both all past and future costs, Respondent J&S Chrome Plating Company (Isola Law Group, LLP for J&S Chrome Company a California Corporation), agreed to pay DTSC $1,000,000.00. The Consent Decree stipulated that DTSC will continue to hold a lien against the subject property in the amount of $5,237,334.05 and shall receive a payment from Respondents upon the sale of the property. At such time payment from the proceeds of the property sale is remitted to DTSC, in accordance with the terms of Section V., 27, c., DTSC will release the lien. The payment received as a result of the sale should be applied to fund 0294 to continue the operation and maintenance required at the site. Respondent James Mancuso, in exchange for release of all liability for both all past and future costs, agreed to pay DTSC $65,000.00.

Name: J&S CHROME PLATING

J&S CHROME PLATING (Continued) **S103971219**

City,State,Zip:	BELL GARDENS, CA 90201
Envirostor Id:	19340358
Latitude:	33.965645
Longitude:	-118.14114
Project Mgr:	HOSSEIN NASSIRI
Project Code:	300255, 301734
If Satisfied:	NO
Date Satisfied:	Not reported
Site Status:	ACTIVE
Site Type:	STATE RESPONSE OR NPL
Completed:	11/21/2011
Lien Amount:	$5,257,334.05
Amount Remaining:	Not reported
APNS:	6358-019-005, 6358-019-006
Description:	J & S Chrome Plating operated a chrome plating facility from 1953 to 1999. The manufacturing process consisted of chrome, zinc and cadmium plating of metal. Solvent degreasing operations were also performed using napthylene, methyl ethyl ketone, trichloroethylene, tetrachloroethylene, & 1,1,1-trichloroethane. The two-acre site is divided into two parcels; the North Parcel and the South Parcel. All plating operations were reportedly performed on the South Parcel. The North Parcel is undeveloped land. Some soil remediation at the South Parcel was carried-out under the Los Angeles Regional Water Quality Control Board in 1995. Realizing that subsequent cleanup at the site is needed, the site owner applied to the Cal/EPA Site Designation Committee requesting that the Department of Toxic Substances Control (DTSC) oversee further investigation and cleanup. Cal/EPA designated DTSC the overseeing agency for remaining investigation & cleanup on February 24, 1999. Groundwater at the site is approximately 70 feet below ground surface. A Remedial Action Plan to treat contaminated ground- water was approved by RWQCB but not implemented. In March 1999, the unpaved north lot was sampled and hexavalent chromium was detected in shallow soils ranging from 0.122-67 mg/kg at the surface and decreasing to less than 2 mg/kg for samples collected from one to five feet below ground surface. Following DTSC's requirement that the unpaved north lot be covered, a contractor for J&S Chrome Plating submitted a Removal Action Work Plan (RAW) for paving north lot. Also, a draft Investigation Report was submitted to DTSC with a recommendation for future areas of investigation. DTSC provided comments on both the draft RAW and Investigation Report. DTSC forwarded additional comments for a revised RAW and Health and Safety Plan in December 1999 and also forwarded final comments on the Investigation Report with a request for an RI/FS Work Plan in September 1999. In September 2001, soil sampling was done on the North Parcel and an RI report is due in December 2001. A state funding prioritization package was developed in June 2000 and $350,000 in Orphan Sites funds was allocated for the site. DTSC activated a task order with a State Contractor to investigate the site soil and to cover the north unpaved lot with asphalt. A CEQA Notice of Exemption through Title 14 Section 15061(b)(3) (No possibility of a significant effect) was approved for this activity.The remedial construction activities were initiated on February 8, 2010, with construction of the on-site wells. All elements of the remedial construction were complete on June 25, 2010. Completion of minor construction and housekeeping activities were performed during July and August 2010. Preliminary startup and shakedown of the on-site hydraulic containment system (Element 2b)

J&S CHROME PLATING (Continued) **S103971219**

occurred in conjunction with the RA at OU-1 and was completed on June 17, 2010. Full-time operation of the system started in October 2010. On December 24, 2015, In exchange for release of all liability for both all past and future costs, Respondent J&S Chrome Plating Company (Isola Law Group, LLP for J&S Chrome Company a California Corporation), agreed to pay DTSC $1,000,000.00. The Consent Decree stipulated that DTSC will continue to hold a lien against the subject property in the amount of $5,237,334.05 and shall receive a payment from Respondents upon the sale of the property. At such time payment from the proceeds of the property sale is remitted to DTSC, in accordance with the terms of Section V., 27, c., DTSC will release the lien. The payment received as a result of the sale should be applied to fund 0294 to continue the operation and maintenance required at the site. Respondent James Mancuso, in exchange for release of all liability for both all past and future costs, agreed to pay DTSC $65,000.00.

DEED:
Name: J&S CHROME PLATING
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Envirostor ID: 19340358
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 03/31/2017
File Name: Envirostor Land Use Restrictions

Name: J&S CHROME PLATING
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Envirostor ID: 19340358
Area: OPERABLE UNIT (OU) NO. 2 - GROUND WATER
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/05/2017
File Name: Envirostor Land Use Restrictions

CORTESE:
Name: J&S CHROME PLATING
Address: 6863 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Region: CORTESE
Envirostor Id: 19340358
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE - LAND USE RESTRICTIONS
Status Date: 08/15/1995
Site Code: 300255, 301734
Latitude: 33.965645

J&S CHROME PLATING (Continued) **S103971219**

Longitude:	-118.14114
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
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:	Haz Waste & Substances Sites

CERS:

Name:	J&S CHROME PLATING
Address:	6863 FLORENCE PL
City,State,Zip:	BELL GARDENS, CA 90201
Site ID:	338722
CERS ID:	19340358
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Supervisor
Entity Name:	EMAD YEMUT
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:	Lead Project Manager
Entity Name:	HAMID HASHEMIAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CYPRESS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

O95 **CHROME CRANKSHAFT, COMPANY** **HIST Cal-Sites** **S105689595**
WSW **6845 FLORENCE PL** **N/A**
1/2-1 **BELL GARDENS, CA 90201**
0.912 mi.
4817 ft. **Site 3 of 4 in cluster O**

Relative:
Lower

Actual:
129 ft.

Calsite:

Name:	CHROME CRANKSHAFT, COMPANY
Address:	6845 FLORENCE PL
City:	BELL GARDENS
Region:	GLENDALE
Facility ID:	19350473
Facility Type:	RP
Type:	RESPONSIBLE PARTY

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	CHROME CRANKSHAFT
State Senate District:	01251999
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	35
SIC Name:	MANU - INDUSTRIAL MACHINERY & EQUIPMENT
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Not reported
Staff Member Responsible for Site:	DZOGAIB
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	50
State Senate District Code:	30
Facility ID:	19350473
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	03312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312008
Revised Due Date:	Not reported
Comments Date:	Not reported

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302010
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	09302006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	CHP65
Activity Name:	AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
AWP Code:	ORDER
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11251998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ORDER
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01251999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	RA

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12081998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	BLDG
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12052003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	NDEC
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12052003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	12312004
Revised Due Date:	Not reported
Comments Date:	02042005
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19350473
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	10312004
Revised Due Date:	Not reported
Comments Date:	01162004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	Not reported
Activity Comments:	THIS REMOVAL ACTION CONSISTED OF THE REMOVAL OF A BUILDING, GRADING,PAVING AND FENCING THE ENTIRE SITE.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	6845 EAST FLORENCE PLACE
Alternate City,St,Zip:	BELL GARDENS, CA 90201
Alternate Address:	6845 FLORENCE PL
Alternate City,St,Zip:	BELL GARDENS, CA 90201

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Background Info: Chrome Crankshaft has operated a chrome plating facility at the site since 1963. They chrome plate parts, such as crankshafts, for internal combustion and diesel engines. Chromium contamination was first detected in soils and groundwater during a site investigation conducted in 1989. Historically, eight chromium solution-containing plating tanks were used at the Facility. Plating waste was directed to an underground process tank located on the eastern side of the Facility. A 400-gallon transfer sump was located in the vacinity of the process tank. The transfer tank held plating waste. Soil and groundwater contamination resulted from releases from these tanks. A potential for complete exposure pathways exists through the ingestion, inhalation, and dermal contact exposure pathways. In 1997, at the request of USEPA, DTSC conducted a Site Prioritization (SP) which was approved by USEPA on 9/11/97. The SP revealed that the site was being overseen by the Regional Water Quality Control Board. Based on the SP, USEPA gave the site high priority status. Past site investigation activities conducted by the Facility with RWQCB's oversight included installation of five groundwater monitoring wells and limited soil investigation. On November 25, 1998, DTSC issued Chrome Crankshaft, Inc. an Imminent and Substantial Endangerment Determination and Remedial Action Order, Docket No. I&\\SE 98\\99-007. A temporary cap was constructed over exposed soils in the Facilty's backyard.
Not reported
Depth of groundwater at the site is approximately 70-feet below ground surface. The groundwater is contaminated with hexavalent chromium, TCE and PCE. Site soils contain chromium, hexavalent chromium, and lead. In an effort to gather data for defense against citizen and other party lawsuits, Chrome Crankshaft's consultant performed limited soil sampling from two deep borings, and installed and sampled six additional groundwater wells in March 2000.
Not reported
The community and adjacent schools are very sensitive to field activities at the site and require prior notification to field events, and DTSC has made great efforts to inform them of all developments.
Not reported
DTSC completed its review of the Work Plan and the associated Scoping Document in July 2000 prepared by McLaren-Hart. Significant comments were generated and issued to the RP on August 3, 2000. Due to the identified deficiencies, DTSC required substantial revision and re-submittal of these planning documents. There was no response by the RP to the DTSC comments, until early December 2000.
Not reported
DTSC issued a Notice of Proposed Determination of Non-Compliance on November 29, 2000 in an effort to motivate Chrome Crankshaft to proceed on the site cleanup. In response to the notice,Chrome Crankshaft met with DTSC on December 5, 2000 to introduce its new consultant, Clayton Associates, and to develop a revised cleanup strategy. Also, Chrome Crankshaft submitted a revised project schedule, which DTSC approved on December 14. 2000.
Not reported
Chrome Crankshaft has agreed to submit an RI/FS Workplan by

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

December 2001.
Chrome Crankshift submitted a RAW Workplan for the demolition of the building and paving of the site. DTSC approved the RAW on 12/05/2003. Removal activities were completed on 1/16/2004.

Comments Date: 01162004
Comments: Locomotive Air Services Incorporated's consultants completed an
Comments Date: 01162004
Comments: interim removal action which consisted of demolishing the
Comments Date: 01162004
Comments: building and removing the debris, removing the underground and
Comments Date: 01162004
Comments: above ground storage tanks, and grading, paving, and fencing the
Comments Date: 01162004
Comments: entire site.
Comments Date: 01251999
Comments: Chapter 6.5 - Issued Corrective Action Order Docket No. HSA-CAO
Comments Date: 01251999
Comments: 98/99-027 to Chrome Crankshaft.
Comments Date: 02042005
Comments: Locomotive Air Services Incorporated filed Chapter 7 bankruptcy
Comments Date: 02042005
Comments: shortly after submitting the removal action report in June of
Comments Date: 02042005
Comments: 2004. The site has not been fully characterized and the
Comments Date: 02042005
Comments: responsible party has amassed over $800,000 in past costs.
Comments Date: 02042005
Comments: Because the site poses a risk to human health and the
Comments Date: 02042005
Comments: environment, DTSC has issued an Imminent and Substantial
Comments Date: 02042005
Comments: Endangerment Determination and Order and Remedial Action Order
Comments Date: 02042005
Comments: to the parent company Amsted Industries.
Comments Date: 10261999
Comments: Completed decommissioning of chrome plating operations and
Comments Date: 10261999
Comments: equipment in accordance with "Chrome Plating Operations
Comments Date: 10261999
Comments: Decommissioning Work Plan", July 1999. The decommissioning
Comments Date: 10261999
Comments: activities included: Removing plating solutions from
Comments Date: 10261999
Comments: baths, cleaning plating tanks, removing process piping,
Comments Date: 10261999
Comments: cleaning interior and exterior surfaces, removal of air
Comments Date: 10261999
Comments: scrubbers, and cleaning roof. The facility continues to
Comments Date: 10261999
Comments: operate under the name of Locomotive Air Services, servicing
Comments Date: 10261999
Comments: and refurbishing locomotive air conditioning equipment.
Comments Date: 11181999
Comments: Following installation of dedicated pumps, 4 of 5 groundwater
Comments Date: 11181999
Comments: monitoring wells were sampled to commence implementation of

CHROME CRANKSHAFT, COMPANY (Continued) **S105689595**

Comments Date:	11181999
Comments:	DTSC's groundwater monitoring program. A pump could not be
Comments Date:	11181999
Comments:	successfully installed in well MW-3. All 5 wells are planned
Comments Date:	11181999
Comments:	for sampling during the next quarter.
Comments Date:	11251998
Comments:	Chapter 6.8 - Issued and Imminent and Substantial Endangerment
Comments Date:	11251998
Comments:	Determination & Remedial Action Order, Docket # I&/SE 98/99-007.
Comments Date:	11251998
Comments:	Chapter 6.5 language used.
Comments Date:	12052003
Comments:	CEQA - NDEC: DTSC approved the final Negative Declaration for the
Comments Date:	12052003
Comments:	RAW.
Comments Date:	12052003
Comments:	Not reported
Comments Date:	12052003
Comments:	RAW - BLDG: DTSC approval of the Removal Action Workplan for
Comments Date:	12052003
Comments:	demolition of the building.
Comments Date:	12081998
Comments:	Installation of a geo-membrane (CAP) in the back of the facility
Comments Date:	12081998
Comments:	and also installation of a fence around the capped area.
ID Name:	CALSTARS CODE
ID Value:	300736
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CAD05580167
Alternate Name:	CHROME CRANKSHAFT, COMPANY
Alternate Name:	CHROME CRANKSHAFT
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

O96 **CHROME CRANKSHAFT CO** **SEMS** **1000334618**
WSW **6845 E. FLORENCE PL.** **RCRA-LQG** **CAD055780167**
1/2-1 **BELL GARDENS, CA 90201** **RESPONSE**
0.912 mi. **ENVIROSTOR**
4817 ft. **Site 4 of 4 in cluster O** **LUST**
CPS-SLIC
Relative: **SWEEPS UST**
Lower **HIST UST**
DEED
Actual: **FINDS**
129 ft. **ECHO**
Cortese
HIST CORTESE
LOS ANGELES CO. HMS
WDS
CIWQS
CERS

SEMS:

Site ID:	0904276
EPA ID:	CAD055780167
Cong District:	23

CHROME CRANKSHAFT CO (Continued) **1000334618**

FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

Region: 09
Site ID: 0904276
EPA ID: CAD055780167
Site Name: CHROME CRANKSHAFT
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1992-04-16 04:00:00
Finish Date: 10/5/1992 4:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0904276
EPA ID: CAD055780167
Site Name: CHROME CRANKSHAFT
NPL: N
FF: N
OU: 00
Action Code: VA
Action Name: OTHR CLEANUP
SEQ: 1
Start Date: 2000-10-01 04:00:00
Finish Date: Not reported
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0904276
EPA ID: CAD055780167
Site Name: CHROME CRANKSHAFT
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2000-08-15 04:00:00
Finish Date: 6/6/2001 4:00:00 AM
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0904276
EPA ID: CAD055780167
Site Name: CHROME CRANKSHAFT
NPL: N

CHROME CRANKSHAFT CO (Continued) **1000334618**

FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 2
Start Date: Not reported
Finish Date: 6/13/2006 4:00:00 AM
Qual: H
Current Action Lead: St Perf

Region: 09
Site ID: 0904276
EPA ID: CAD055780167
Site Name: CHROME CRANKSHAFT
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 6/22/1992 4:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0904276
EPA ID: CAD055780167
Site Name: CHROME CRANKSHAFT
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1992-01-13 05:00:00
Finish Date: 1/13/1992 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Site ID: 0909377
EPA ID: CAN000909377
Cong District: Not reported
FIPS Code: Not reported
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: SI Start Needed

SEMS Detail:
Region: 09
Site ID: 0909377
EPA ID: CAN000909377
Site Name: FREEMANS CLEANERS (VOGUE CLEANERS)
NPL: N
FF: N

CHROME CRANKSHAFT CO (Continued) **1000334618**

OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 2003-07-13 04:00:00
Finish Date: 7/13/2004 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0909377
EPA ID: CAN000909377
Site Name: FREEMANS CLEANERS (VOGUE CLEANERS)
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2013-07-01 05:00:00
Finish Date: 4/16/2015 4:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 09
Site ID: 0909377
EPA ID: CAN000909377
Site Name: FREEMANS CLEANERS (VOGUE CLEANERS)
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 2004-07-13 04:00:00
Finish Date: 7/13/2004 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0909377
EPA ID: CAN000909377
Site Name: FREEMANS CLEANERS (VOGUE CLEANERS)
NPL: N
FF: N
OU: 00
Action Code: HX
Action Name: PRE-CERC
SEQ: 1
Start Date: 2002-09-30 04:00:00
Finish Date: 9/30/2002 4:00:00 AM
Qual: Not reported
Current Action Lead: St Perf

RCRA-LQG:
Date form received by agency: 12/20/2006

CHROME CRANKSHAFT CO (Continued) **1000334618**

Facility name:	CHROME CRANKSHAFT CO AND LOCOMOTIVE AIR
Facility address:	6845 E FLORENCE PL BELL GARDENS, CA 90201
EPA ID:	CAD055780167
Mailing address:	DEPT TOXICS SUBSTANCES CONTROL 5697 CORPORATE AVE CYPRESS, CA 90630
Contact:	GREG HOLMES
Contact address:	DEPT TOXICS SUBSTANCES CONTROL 5697 CORPORATE AVE CYPRESS, CA 90630
Contact country:	US
Contact telephone:	714-484-5461
Contact email:	GHOLMES@DTSC.CA.GOV
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LOCOMOTIVE AIR SERVICES INC
Owner/operator address:	PO BOX 3030 BELL GARDENS, CA 90202
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1999
Owner/Op end date:	Not reported

Owner/operator name:	DTSC CYPRESS OFFICE
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	03/03/2006
Owner/Op end date:	Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/12/2000
Site name: L A S, INC. FORMLEY CHROME CRNKSHFT CO.
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: CHROME CRANKSHAFT CO INC
Classification: Small Quantity Generator

Date form received by agency: 04/27/1994
Site name: CHROME CRANKSHAFT
Classification: Large Quantity Generator

Date form received by agency: 08/28/1980
Site name: CHROME CRANKSHAFT CO INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

CHROME CRANKSHAFT CO (Continued) **1000334618**

Facility Has Received Notices of Violations:
- Regulation violated: FR - 262.10-12.A
- Area of violation: Generators - General
- Date violation determined: 03/23/1994
- Date achieved compliance: 03/23/1999
- Violation lead agency: State
  - Enforcement action: Not reported
  - Enforcement action date: Not reported
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: Not reported
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 03/23/1994
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Generators - General
- Date achieved compliance: 03/23/1999
- Evaluation lead agency: State Contractor/Grantee

RESPONSE:
- Name: CHROME CRANKSHAFT COMPANY
- Address: 6845 FLORENCE PL
- City,State,Zip: BELL GARDENS, CA 90201
- Facility ID: 19350473
- Site Type: State Response
- Site Type Detail: State Response or NPL
- Acres: 2
- National Priorities List: NO
- Cleanup Oversight Agencies: SMBRP
- Lead Agency Description: DTSC - Site Cleanup Program
- Project Manager: Hossein Nassiri
- Supervisor: Emad Yemut
- Division Branch: Southern California Schools & Brownfields Outreach
- Site Code: 301796
- Site Mgmt. Req.: NONE SPECIFIED
- Assembly: 58
- Senate: 33
- Special Program Status: Not reported
- Status: Active
- Status Date: 01/25/1999
- Restricted Use: YES
- Funding: Not Applicable
- Latitude: 33.96572
- Longitude: -118.1419
- APN: 6358-019-27, 6358-019-28, 6358019028
- Past Use: METAL PLATING - CHROME
- Potential COC : Arsenic Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Mercury and compounds Nickel Thallium and compounds
- Confirmed COC: Thallium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Mercury and compounds Nickel Arsenic Lead
- Potential Description: AQUI, SOIL
- Alias Name: CHROME CRANKSHAFT

CHROME CRANKSHAFT CO (Continued) **1000334618**

Alias Type: Alternate Name
Alias Name: 6358-019-27
Alias Type: APN
Alias Name: 6358-019-28
Alias Type: APN
Alias Name: 6358019028
Alias Type: APN
Alias Name: CAD055780167
Alias Type: EPA Identification Number
Alias Name: 110018976535
Alias Type: EPA (FRS #)
Alias Name: 110033620516
Alias Type: EPA (FRS #)
Alias Name: SL204341552
Alias Type: GeoTracker Global ID
Alias Name: 300736
Alias Type: Project Code (Site Code)
Alias Name: 301796
Alias Type: Project Code (Site Code)
Alias Name: 19350473
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 04/06/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 11/22/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 11/25/1998
Comments: Chapter 6.8 - Issued and Imminent and Substantial Endangerment Determination & Remedial Action Order, Docket # I&/SE 98/99-007. Chapter 6.5 language used.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/04/2005
Comments: Locomotive Air Services Incorporated filed Chapter 7 bankruptcy shortly after submitting the removal action report in June of 2004. The site has not been fully characterized and the responsible party has amassed over $800,000 in past costs. Because the site poses a risk to human health and the environment, DTSC has issued an Imminent and Substantial Endangerment Determination and Order and Remedial Action Order to the parent company Amsted Industries.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Date: 01/25/1999
Comments: Chapter 6.5 - Issued Corrective Action Order Docket No. HSA-CAO 98/99-027 to Chrome Crankshaft.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 05/03/2007
Comments: The Court approved the Consent Decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/18/2008
Comments: CEQA completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/17/2008
Comments: Letter sent on 4/14/09.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/01/2010
Comments: Contract fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/03/2010
Comments: Start Work issued to Contractor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: It was singed and sent to owner to be recorded and send it back to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Orphan Site Designation
Completed Date: 12/10/2018
Comments: Site has been designated an Orphan Site.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/22/2017
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/22/2017

CHROME CRANKSHAFT CO (Continued) **1000334618**

Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/2018
Comments: Routine report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2019
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2019
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 01/16/2004
Comments: Locomotive Air Services Incorporated's consultants completed an interim removal action which consisted of demolishing the building and removing the debris, removing the underground and above ground storage tanks, and grading, paving, and fencing the entire site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 12/05/2003
Comments: CEQA - NDEC: DTSC approved the final Negative Declaration for the RAW. ' RAW - BLDG: DTSC approval of the Removal Action Workplan for demolition of the building.

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/23/2008
Comments: Remedial Design and Implementation Plan Plus All Supporting Plans are approved by DTSC.

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/19/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/26/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/08/1998
Comments: Installation of a geo-membrane (CAP) in the back of the facility and also installation of a fence around the capped area.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 06/23/2008
Comments: Plan Aprroved as Prepared

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 10/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Date: 10/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/05/2007
Comments: FACT SHEET ON PROPOSED CONSENT ORDER COMPLETED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/05/2003
Comments: FACT SHEET REMOVAL ACTION WORKPLAN

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/2006
Comments: Site Screening approved by EPA.

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/18/2008
Comments: Final RAP for OU No. 1 - Soil was approved.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/21/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/04/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/31/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 02/03/2010
Comments: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/22/2010
Comments: DTSC received the final design dated March 2010

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/24/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/25/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Date: 02/16/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/14/2012
Comments: This is ongoing GW treatment plan, dated 6/2012.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2013
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/03/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2013
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2013
Comments: Graph of OU-2 EL2a/b System Cr(VI) throughput.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Daily Operation Log Information for months of September-December 2013.
Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Routine Daily Operation Activities

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/04/2014
Comments: Routine report. Uploaded from last year.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/07/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Document Type: Fieldwork
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2016
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
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

ENVIROSTOR:
Name: CHROME CRANKSHAFT COMPANY
Address: 6845 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Facility ID: 19350473
Status: Active
Status Date: 01/25/1999
Site Code: 301796
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Hossein Nassiri
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 58
Senate: 33
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.96572
Longitude: -118.1419
APN: 6358-019-27, 6358-019-28, 6358019028
Past Use: METAL PLATING - CHROME
Potential COC: Arsenic Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Mercury and compounds Nickel Thallium and compounds
Confirmed COC: Thallium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Chromium VI Mercury and compounds Nickel Arsenic Lead
Potential Description: AQUI, SOIL
Alias Name: CHROME CRANKSHAFT
Alias Type: Alternate Name
Alias Name: 6358-019-27

CHROME CRANKSHAFT CO (Continued) **1000334618**

Alias Type: APN
Alias Name: 6358-019-28
Alias Type: APN
Alias Name: 6358019028
Alias Type: APN
Alias Name: CAD055780167
Alias Type: EPA Identification Number
Alias Name: 110018976535
Alias Type: EPA (FRS #)
Alias Name: 110033620516
Alias Type: EPA (FRS #)
Alias Name: SL204341552
Alias Type: GeoTracker Global ID
Alias Name: 300736
Alias Type: Project Code (Site Code)
Alias Name: 301796
Alias Type: Project Code (Site Code)
Alias Name: 19350473
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 04/06/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 11/22/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 11/25/1998
Comments: Chapter 6.8 - Issued and Imminent and Substantial Endangerment Determination & Remedial Action Order, Docket # I&/SE 98/99-007. Chapter 6.5 language used.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 02/04/2005
Comments: Locomotive Air Services Incorporated filed Chapter 7 bankruptcy shortly after submitting the removal action report in June of 2004. The site has not been fully characterized and the responsible party has amassed over $800,000 in past costs. Because the site poses a risk to human health and the environment, DTSC has issued an Imminent and Substantial Endangerment Determination and Order and Remedial Action Order to the parent company Amsted Industries.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 01/25/1999
Comments: Chapter 6.5 - Issued Corrective Action Order Docket No. HSA-CAO

CHROME CRANKSHAFT CO (Continued) **1000334618**

98/99-027 to Chrome Crankshaft.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 05/03/2007
Comments: The Court approved the Consent Decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/18/2008
Comments: CEQA completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/17/2008
Comments: Letter sent on 4/14/09.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/01/2010
Comments: Contract fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 11/03/2010
Comments: Start Work issued to Contractor.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/05/2017
Comments: It was singed and sent to owner to be recorded and send it back to DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Orphan Site Designation
Completed Date: 12/10/2018
Comments: Site has been designated an Orphan Site.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/22/2017
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/22/2017
Comments: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 12/18/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/2018
Comments: Routine report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/14/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/08/2019
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/05/2019
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/26/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Date:	01/16/2004
Comments:	Locomotive Air Services Incorporated's consultants completed an interim removal action which consisted of demolishing the building and removing the debris, removing the underground and above ground storage tanks, and grading, paving, and fencing the entire site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	12/05/2003
Comments:	CEQA - NDEC: DTSC approved the final Negative Declaration for the RAW. ' RAW - BLDG: DTSC approval of the Removal Action Workplan for demolition of the building.
Completed Area Name:	Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	06/23/2008
Comments:	Remedial Design and Implementation Plan Plus All Supporting Plans are approved by DTSC.
Completed Area Name:	Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/19/2009
Comments:	Not reported
Completed Area Name:	Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	02/26/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	12/08/1998
Comments:	Installation of a geo-membrane (CAP) in the back of the facility and also installation of a fence around the capped area.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Health & Safety Plan
Completed Date:	06/23/2008
Comments:	Plan Aprroved as Prepared
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	10/26/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	10/26/2007
Comments:	Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/05/2007
Comments: FACT SHEET ON PROPOSED CONSENT ORDER COMPLETED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/05/2003
Comments: FACT SHEET REMOVAL ACTION WORKPLAN

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/13/2006
Comments: Site Screening approved by EPA.

Completed Area Name: Operable Unit (OU) No. 1 - Soil
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/18/2008
Comments: Final RAP for OU No. 1 - Soil was approved.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 07/21/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/04/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 07/31/2009
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 02/03/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 03/22/2010
Comments: DTSC received the final design dated March 2010

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 03/24/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/25/2010
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/07/2011
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/08/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/16/2012
Comments: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/17/2012
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/14/2012
Comments: This is ongoing GW treatment plan, dated 6/2012.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/28/2013
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/03/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/22/2013
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/05/2013
Comments: Graph of OU-2 EL2a/b System Cr(VI) throughput.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Date: 02/24/2014
Comments: Daily Operation Log Information for months of September-December 2013.
Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/24/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Routine Daily Operation Activities

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/04/2014
Comments: Routine report. Uploaded from last year.

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/07/2014
Comments: Not reported

Completed Area Name: Operable Unit (OU) No. 2 - Ground Water
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2015
Comments: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/12/2016
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2021
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

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902010061
Status: Remediation Plan
Substance: Chromium
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Specific tank leak that has contaminated a specific well used for drinking water
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701240
W Global ID: Not reported
Staff: SLC
Local Agency: 19000
Cross Street: FOSTER BRIDGE BLVD
Enforcement Type: Not reported
Date Leak Discovered: 3/30/1990
Date Leak First Reported: 4/20/1990
Date Leak Record Entered: 6/12/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 3/30/1990
Date Case Last Changed on Database: 7/11/1996
Date the Case was Closed: Not reported
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: DAVIS, DAVID
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 196.351852911136637148379888697
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 4/20/1990
Pollution Characterization Began: 7/8/1991
Remediation Plan Submitted: 8/3/1998
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported

CHROME CRANKSHAFT CO (Continued) **1000334618**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: CHROME CRANKSHAFT CO.
RP Address: 6845 E FLORENCE PL, BELL GARDENS, CA 90201
Program: SLIC
Lat/Long: 33.9654699 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: 1
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: THIS CASE AND J&S CHROME WERE TRANSFERRED TO SLIC UNIT O/A CHROME CONTAMINATION. REFER TO SLIC #416

CPS-SLIC:
Name: CHROME CRANKSHAFT CO
Address: 6845 EAST FLORENCE PLACE
City,State,Zip: BELL GARDENS, CA 90201
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/29/2015
Global Id: SL204341552
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 19350473
Latitude: 33.965517
Longitude: -118.142405
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0416
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:

SWEEPS UST:
Name: CHROME CRANKSHAFT CO
Address: 6845 E FLORENCE PL
City: BELL GARDENS
Status: Active
Comp Number: 5478
Number: 9
Board Of Equalization: 44-007934
Referral Date: 06-30-89
Action Date: Not reported
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-005478-000001

CHROME CRANKSHAFT CO (Continued) **1000334618**

Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

HIST UST:
Name: CHROME CRANKSHAFT
Address: 6845 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000055944
Facility Type: Other
Other Type: STORAGE RECYCLE
Contact Name: DAVE DAVIES
Telephone: 2137735936
Owner Name: VARLEN CORP. INC.
Owner Address: 1 CROSSROADS OF COMMERCE
Owner City,St,Zip: ROLLING MEADOWS, IL 60008
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1964
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

DEED:
Name: CHROME CRANKSHAFT COMPANY
Address: 6845 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Envirostor ID: 19350473
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/05/2017
File Name: Envirostor Land Use Restrictions

FINDS:

Registry ID: 110002139711

Environmental Interest/Information System
California Department of Toxic Substances Control EnviroStor System (DTSC-EnviroStor) is an online search and Geographic Information System (GIS) tool for identifying sites that have known contamination

CHROME CRANKSHAFT CO (Continued) **1000334618**

or sites for which there may be reasons to investigate further. 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.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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.

SUPERFUND (NON-NPL)

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000334618
Registry ID:	110002139711
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002139711

CORTESE:

Name:	CHROME CRANKSHAFT COMPANY
Address:	6845 FLORENCE PL
City,State,Zip:	BELL GARDENS, CA 90201
Region:	CORTESE
Envirostor Id:	19350473
Global ID:	Not reported
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE - LAND USE RESTRICTIONS
Status Date:	01/25/1999
Site Code:	300736, 301796
Latitude:	33.965721
Longitude:	-118.14191
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
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:	Haz Waste & Substances Sites

CHROME CRANKSHAFT CO (Continued) **1000334618**

HIST CORTESE:

edr_fname:	CHROME CRANKSHAFT
edr_fadd1:	6845 FLORENCE
City,State,Zip:	BELL GARDENS, CA 90201
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	902010061

LOS ANGELES CO. HMS:

Name:	CHROME CRANKSHAFT CO
Address:	6845 FLORENCE PL
City,State,Zip:	BELL GARDENS, CA 902013295
Region:	LA
Permit Category:	S
Facility Id:	005279-047290
Facility Type:	S6
Facility Status:	Closed
Area:	3Y
Permit Number:	CGI009647
Permit Status:	Closed

Name:	CHROME CRANKSHAFT CO
Address:	6845 FLORENCE PL
City,State,Zip:	BELL GARDENS, CA 902013295
Region:	LA
Permit Category:	T
Facility Id:	005279-005478
Facility Type:	0
Facility Status:	Removed
Area:	3Y
Permit Number:	00003418T
Permit Status:	Removed

WDS:

Name:	CHROME CRANKSHAFT CO
Address:	6845 Florence Pl
City:	BELL GARDENS
Facility ID:	4 19I009647
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	5628065231
Facility Contact:	RAY CAREL
Agency Name:	LOCOMOTIVE AIR SERVICES
Agency Address:	6845 Florence Pl
Agency City,St,Zip:	Bell Gardens 902013239
Agency Contact:	RAY CAREL

CHROME CRANKSHAFT CO (Continued) **1000334618**

Agency Telephone:	5628065231
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	CHROME CRANKSHAFT
Address:	6845 FLORENCE PL
City,State,Zip:	BELL GARDENS, CA 90201
Agency:	Locomotive Air Services
Agency Address:	6845 Florence Pl, Bell Gardens, CA 90201
Place/Project Type:	Industrial - Electroplating, Plating, Polishing, Anodizing, and Coloring
SIC/NAICS:	3471
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I009647
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/30/1992
Termination Date:	02/16/2005
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:	33.9654
Longitude:	-118.14179

CHROME CRANKSHAFT CO (Continued) **1000334618**

CERS:
Name: CHROME CRANKSHAFT CO
Address: 6845 EAST FLORENCE PLACE
City,State,Zip: BELL GARDENS, CA 90201
Site ID: 200109
CERS ID: SL204341552
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: DTSC - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 1011 N. GRANDVIEW AVE.
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: CHROME CRANKSHAFT CO
Address: 6845 FLORENCE PL
City,State,Zip: BELL GARDENS, CA 90201
Site ID: 336094
CERS ID: 19350473
CERS Description: State Response

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: HAMID HASHEMIAN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: CYPRESS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: EMAD YEMUT
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

97
WNW
1/2-1
0.936 mi.
4942 ft.

CAMEO
6904 EAST SLAUSON AVENUE
COMMERCE, CA 90040

RESPONSE
ENVIROSTOR
Cortese

S105557554
N/A

Relative:
Higher

Actual:
149 ft.

RESPONSE:

Name:	CAMEO
Address:	6904 EAST SLAUSON AVENUE
City,State,Zip:	COMMERCE, CA 90040
Facility ID:	19390043
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	2.62
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Tajinder Gill
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Site Code:	300546
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	58
Senate:	32
Special Program Status:	Not reported
Status:	Active
Status Date:	12/08/1993
Restricted Use:	YES
Funding:	Orphan Funds
Latitude:	33.98020
Longitude:	-118.1412
APN:	6356-017-028, 6356017028
Past Use:	MANUFACTURING - METAL, METAL PLATING - CHROME
Potential COC :	Cadmium and compounds Carbon tetrachloride Chromium III Chromium VI
Confirmed COC:	Chromium III Chromium VI Cadmium and compounds Carbon tetrachloride
Potential Description:	OTH, SOIL, AQUI, SOIL, WELL
Alias Name:	CALIFORNIA METAL ENAMELING COMPANY
Alias Type:	Alternate Name
Alias Name:	CAMEO
Alias Type:	Alternate Name
Alias Name:	6356-017-028
Alias Type:	APN
Alias Name:	6356017028
Alias Type:	APN
Alias Name:	110033618342
Alias Type:	EPA (FRS #)
Alias Name:	300546
Alias Type:	Project Code (Site Code)
Alias Name:	19390043
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Imminent and/or Substantial Endangerment Order
Completed Date:	06/26/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

CAMEO (Continued) **S105557554**

Completed Document Type: Correspondence
Completed Date: 04/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/20/1995
Comments: DTSC enters into a Voluntary Cleanup Agreement with the Project Proponent for the CAMEO site. The objective of this Agreement is to perform a health risk assessment and to conduct a removal action.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/20/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 03/16/2007
Comments: Issued proposed notice of non-compliance

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 04/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/28/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/28/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

CAMEO (Continued) **S105557554**

Completed Date: 06/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/21/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/01/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/16/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 10/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 06/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/28/2014
Comments: Not reported

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 06/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/24/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 05/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 09/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 09/01/2016
Comments: Notice of Intent to Place a Lien Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 03/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order

CAMEO (Continued) **S105557554**

Completed Date: 06/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 08/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/06/2000
Comments: DSTC Response to Hargis + Associates Letter is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 09/28/1999
Comments: Not reported

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2000
Comments: DSTC review of Hargis + Associates is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/10/2017
Comments: Document finalized on 3/10/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 11/02/2017
Comments: OPEA Consultation was done for analysis of preliminary consultation topics that may be relevant during the CEQA process will start. At this consultation meeting, primary environmental areas of concern for the implementation of the anticipated remedies at the Site was discussed, including, but restrict to it, historical and current land use, project intent, site characterization results, anticipated remedies, and special conditions (air quality; biological, cultural and tribal resources, hazardous, noise, traffic, etc). It was informed that depending of the anticipated costs of the selected remedy (> $ 1,000,000), an Environmental Impact Report (EIR) may be applicable. Also, a Notice of Determination as the formal noticed filed with the State Clearinghouse will be necessary. This Notice of Determination will be a Negative Declaration or Mitigated Negative Declaration depending on which remedy(s) will be selected for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 11/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/28/2017
Comments: Associated International Insurance Company letter received on August 28, 2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/06/2001
Comments: Not reported

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/07/2017
Comments: Letter issued on June 7, 2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/05/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 03/10/2017
Comments: Notice Letter sent on 3/10/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/26/2007
Comments: Letter Submitted by Law offices - Gilchrist & Rutter, on behalf of Porcelain Metals Corporation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/26/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 10/17/2018
Comments: Proposed consent decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CAMEO (Continued) **S105557554**

Completed Document Type: Consent Order
Completed Date: 01/28/2019
Comments: Court approved the Consent Decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/26/2018
Comments: Contract amendment fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/23/2019
Comments: Work Order issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 02/05/2019
Comments: Signed Consent Decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/14/2001
Comments: DTSC completes its review of the PEA Report and issues "No Further Action" letter for Lot 1 only of the former CAMEO site located at 6840 E. Slauson Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/08/1993
Comments: The site is identified by the RP. From 1911 to 1990 the site was used for manufacturing porcelain enamel signs for streets and highways. In 1990 the company ceased its' operations at the site and started demolition activities. The site is comprised of approximately 4.87 acres. The main contaminant at the site is hexavalent chromium. Other contaminants at the site are lead, total chromium, cadmium, zinc, nickel, copper and asbestos. A kerosene tank was removed from the site 30 years ago. Due to the evidence of onsite contamination, DTSC recommeded a PEA. DTSC notified the RP that a PEA needs to be conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/04/1998
Comments: DTSC approved workplan for additional groundwater investigation

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/07/2012
Comments: Completed; the ITR is an Interim RI document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/13/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/18/2016
Comments: Comments issued requiring revision and resubmittal. Revised document to be submitted as a RACR, and original RI to be maintained separately.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/04/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/24/2016
Comments: Completed

Completed Area Name: PROJECT WIDE

CAMEO (Continued) **S105557554**

Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 01/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 01/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 11/09/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/02/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/06/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/28/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/16/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/28/1996

CAMEO (Continued) **S105557554**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	10/24/1996
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	06/12/2017
Comments:	Final Version approved on June 12, 2017
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Health & Safety Plan
Completed Date:	09/13/1999
Comments:	DTSC approval letter is not available in the File Room
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	10/13/1999
Comments:	DTSC approval letter is not available in the File Room
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	10/16/2000
Comments:	DSTC review of Laboratory data is not available in the File Room
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	01/07/2001
Comments:	DTSC review of laboratory data is not available in the File Room
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	04/24/2017
Comments:	Activity completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/05/2017
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	06/08/2017
Comments:	Technical Memorandum is approved according to electronic correspondence sent to AECOM on 6/8/2017.

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/27/1999
Comments: DTSC approves reconnaissance groundwater sampling activities for Lot 2
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/25/2000
Comments: Workplan for former sheet metal shop on Lot 1 is submitted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/09/2001
Comments: DTSC approves supplemental workplan for sheet metal shop on Lot 1

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 04/23/2008
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 05/05/2008
Comments: DTSC approved the Quality Assurance Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/29/2008
Comments: DTSC approved the Health and Safety Plan.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 05/30/2008
Comments: DTSC approved the Field Implementation WorkPlan.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/05/2008
Comments: DTSC approved the Transportation Plan.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CAMEO (Continued) **S105557554**

Completed Document Type: Site Characterization Workplan
Completed Date: 04/05/2010
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/24/2009
Comments: Completed. Additional remedial work is needed in the future.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/14/2018
Comments: Fieldwork completed on June 14th..

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/17/2018
Comments: Proof of publication received in La Opinion, December 16th edition.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/11/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/18/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 06/19/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/10/2010
Comments: Draft

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/26/2019
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/23/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/07/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/01/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

CAMEO (Continued) **S105557554**

Completed Date: 01/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 06/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 06/12/2017
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 07/27/2018
Comments: Not reported

Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2025
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2020

CAMEO (Continued) **S105557554**

Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Community Profile
Future Due Date: 2019
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2020
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

ENVIROSTOR:
Name: CAMEO
Address: 6904 EAST SLAUSON AVENUE
City,State,Zip: COMMERCE, CA 90040
Facility ID: 19390043
Status: Active
Status Date: 12/08/1993
Site Code: 300546
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2.62
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Tajinder Gill
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: 58
Senate: 32
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.98020
Longitude: -118.1412
APN: 6356-017-028, 6356017028
Past Use: MANUFACTURING - METAL, METAL PLATING - CHROME
Potential COC: Cadmium and compounds Carbon tetrachloride Chromium III Chromium VI Chromium III Chromium VI
Confirmed COC: Chromium III Chromium VI Cadmium and compounds Carbon tetrachloride Chromium III Chromium VI
Potential Description: OTH, SOIL, AQUI, SOIL, WELL
Alias Name: CALIFORNIA METAL ENAMELING COMPANY
Alias Type: Alternate Name
Alias Name: CAMEO
Alias Type: Alternate Name
Alias Name: 6356-017-028
Alias Type: APN
Alias Name: 6356017028

CAMEO (Continued) **S105557554**

Alias Type: APN
Alias Name: 110033618342
Alias Type: EPA (FRS #)
Alias Name: 300546
Alias Type: Project Code (Site Code)
Alias Name: 19390043
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Substantial Endangerment Order
Completed Date: 06/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/20/1995
Comments: DTSC enters into a Voluntary Cleanup Agreement with the Project Proponent for the CAMEO site. The objective of this Agreement is to perform a health risk assessment and to conduct a removal action.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/20/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Determination of non-compliance
Completed Date: 03/16/2007
Comments: Issued proposed notice of non-compliance

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Final Determination of Non-Compliance
Completed Date: 04/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/28/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/19/2010
Comments: Not reported

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 03/28/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/21/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/01/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 10/16/2013
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order

CAMEO (Continued) **S105557554**

Completed Date: 10/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 06/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 06/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/18/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/24/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 07/12/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 05/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 09/11/2013
Comments: Not reported

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 09/01/2016
Comments: Notice of Intent to Place a Lien Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 03/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/25/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PRP Identification Memorandum
Completed Date: 08/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/25/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

CAMEO (Continued) **S105557554**

Completed Date: 12/06/2000
Comments: DSTC Response to Hargis + Associates Letter is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 09/28/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/21/2000
Comments: DSTC review of Hargis + Associates is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/10/2017
Comments: Document finalized on 3/10/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: OPEA Consultation
Completed Date: 11/02/2017
Comments: OPEA Consultation was done for analysis of preliminary consultation topics that may be relevant during the CEQA process will start. At this consultation meeting, primary environmental areas of concern for the implementation of the anticipated remedies at the Site was discussed, including, but restrict to it, historical and current land use, project intent, site characterization results, anticipated remedies, and special conditions (air quality; biological, cultural and tribal resources, hazardous, noise, traffic, etc). It was informed that depending of the anticipated costs of the selected remedy (> $ 1,000,000), an Environmental Impact Report (EIR) may be applicable. Also, a Notice of Determination as the formal noticed filed with the State Clearinghouse will be necessary. This Notice of Determination will be a Negative Declaration or Mitigated Negative Declaration depending on which remedy(s) will be selected for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien

CAMEO (Continued) **S105557554**

Completed Date: 11/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/28/2017
Comments: Associated International Insurance Company letter received on August 28, 2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/06/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/07/2017
Comments: Letter issued on June 7, 2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/05/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 03/10/2017
Comments: Notice Letter sent on 3/10/2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/26/2007
Comments: Letter Submitted by Law offices - Gilchrist & Rutter, on behalf of Porcelain Metals Corporation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/26/2017

CAMEO (Continued) **S105557554**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/29/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 10/17/2018
Comments: Proposed consent decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/28/2019
Comments: Court approved the Consent Decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/26/2018
Comments: Contract amendment fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/23/2019
Comments: Work Order issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 02/05/2019
Comments: Signed Consent Decree.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/14/2001
Comments: DTSC completes its review of the PEA Report and issues "No Further Action" letter for Lot 1 only of the former CAMEO site located at 6840 E. Slauson Avenue.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/08/1993
Comments: The site is identified by the RP. From 1911 to 1990 the site was used

CAMEO (Continued) **S105557554**

for manufacturing porcelain enamel signs for streets and highways. In 1990 the company ceased its' operations at the site and started demolition activities. The site is comprised of approximately 4.87 acres. The main contaminant at the site is hexavalent chromium. Other contaminants at the site are lead, total chromium, cadmium, zinc, nickel, copper and asbestos. A kerosene tank was removed from the site 30 years ago. Due to the evidence of onsite contamination, DTSC recommeded a PEA. DTSC notified the RP that a PEA needs to be conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/04/1998
Comments: DTSC approved workplan for additional groundwater investigation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/07/2012
Comments: Completed; the ITR is an Interim RI document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/13/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 03/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/18/2016
Comments: Comments issued requiring revision and resubmittal. Revised document to be submitted as a RACR, and original RI to be maintained separately.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2012
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

CAMEO (Continued) **S105557554**

Completed Date: 09/04/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/24/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 01/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 01/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/17/2018
Comments: Report accepted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 11/09/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/02/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/06/1993
Comments: Not reported

CAMEO (Continued) **S105557554**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/28/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/16/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/28/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/24/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/12/2017
Comments: Final Version approved on June 12, 2017

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 09/13/1999
Comments: DTSC approval letter is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/13/1999
Comments: DTSC approval letter is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/16/2000
Comments: DSTC review of Laboratory data is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/07/2001
Comments: DTSC review of laboratory data is not available in the File Room

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

CAMEO (Continued) **S105557554**

Completed Date: 04/24/2017
Comments: Activity completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/05/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/08/2017
Comments: Technical Memorandum is approved according to electronic correspondence sent to AECOM on 6/8/2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/27/1999
Comments: DTSC approves reconnaissance groundwater sampling activities for Lot 2
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/25/2000
Comments: Workplan for former sheet metal shop on Lot 1 is submitted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/09/2001
Comments: DTSC approves supplemental workplan for sheet metal shop on Lot 1

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 04/23/2008
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 05/05/2008
Comments: DTSC approved the Quality Assurance Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 05/29/2008
Comments: DTSC approved the Health and Safety Plan.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 05/30/2008

CAMEO (Continued) **S105557554**

Comments: DTSC approved the Field Implementation WorkPlan.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/05/2008
Comments: DTSC approved the Transportation Plan.

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/05/2010
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 11/24/2009
Comments: Completed. Additional remedial work is needed in the future.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/14/2018
Comments: Fieldwork completed on June 14th..

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 12/17/2018
Comments: Proof of publication received in La Opinion, December 16th edition.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/11/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/18/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE

CAMEO (Continued) **S105557554**

Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 06/19/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/30/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/10/2010
Comments: Draft

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/20/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/23/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/17/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/26/2019
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/23/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/07/2008

CAMEO (Continued) **S105557554**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 07/01/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/01/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 06/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Information Request Letter
Completed Date: 06/12/2017
Comments: Not reported

Completed Area Name: Former Pit # 2
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 07/27/2018
Comments: Not reported

Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2020
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2020
Future Area Name: Former Pit # 2
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan

CAMEO (Continued) **S105557554**

Future Due Date:	2020
Future Area Name:	Former Pit # 2
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Report
Future Due Date:	2020
Future Area Name:	Former Pit # 2
Future Sub Area Name:	Not reported
Future Document Type:	Public Notice
Future Due Date:	2020
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2025
Future Area Name:	Former Pit # 2
Future Sub Area Name:	Not reported
Future Document Type:	Fact Sheets
Future Due Date:	2020
Future Area Name:	Former Pit # 2
Future Sub Area Name:	Not reported
Future Document Type:	Community Profile
Future Due Date:	2019
Future Area Name:	Former Pit # 2
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Workplan
Future Due Date:	2020
Future Area Name:	Former Pit # 2
Future Sub Area Name:	Not reported
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2020
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

CORTESE:

Name:	CAMEO
Address:	6904 EAST SLAUSON AVENUE
City,State,Zip:	COMMERCE, CA 90040
Region:	CORTESE
Envirostor Id:	19390043
Global ID:	Not reported
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	12/08/1993
Site Code:	300546
Latitude:	33.980207
Longitude:	-118.14121
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported

CAMEO (Continued) **S105557554**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

P98 **SOUTHERN CALIFORNIA GAS CO** **SEMS** **1015730699**
ESE **8101 S. ROSEMEAD BLVD.** **CORRACTS** **CAT000625137**
1/2-1 **PICO RIVERA, CA 90660** **RCRA-TSDF**
0.938 mi. **RCRA-LQG**
4953 ft. **Site 1 of 5 in cluster P** **US FIN ASSUR**
2020 COR ACTION

Relative:
Higher

Actual:
148 ft.

SEMS:
Site ID: 0905122
EPA ID: CAT000625137
Cong District: 34
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Detail:
Region: 09
Site ID: 0905122
EPA ID: CAT000625137
Site Name: SOUTHERN CALIFORNIA GAS CO.
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1994-08-03 04:00:00
Finish Date: 8/3/1994 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905122
EPA ID: CAT000625137
Site Name: SOUTHERN CALIFORNIA GAS CO.
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 2000-08-15 04:00:00
Finish Date: 9/24/2002 4:00:00 AM
Qual: D
Current Action Lead: St Perf

CORRACTS:
EPA ID: CAT000625137
EPA Region: 09
Area Name: ENTIRE FACILITY

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Actual Date: 20110805
Action: CA550RC
NAICS Code(s): 221210 486210
Natural Gas Distribution
Pipeline Transportation of Natural Gas
Original schedule date: 20110805
Schedule end date: 20110805

EPA ID: CAT000625137
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110805
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 221210 486210
Natural Gas Distribution
Pipeline Transportation of Natural Gas
Original schedule date: 20110805
Schedule end date: Not reported

EPA ID: CAT000625137
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20110805
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 221210 486210
Natural Gas Distribution
Pipeline Transportation of Natural Gas
Original schedule date: 20110805
Schedule end date: Not reported

EPA ID: CAT000625137
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100709
Action: CA550RC
NAICS Code(s): 221210 486210
Natural Gas Distribution
Pipeline Transportation of Natural Gas
Original schedule date: 20100709
Schedule end date: Not reported

EPA ID: CAT000625137
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20100709
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 221210 486210
Natural Gas Distribution
Pipeline Transportation of Natural Gas
Original schedule date: 20100709
Schedule end date: Not reported

EPA ID: CAT000625137
EPA Region: 09

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Area Name: ENTIRE FACILITY
Actual Date: 20100709
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 221210 486210
Natural Gas Distribution
Pipeline Transportation of Natural Gas
Original schedule date: 20100709
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 08/02/2018
Facility name: SOUTHERN CALIFORNIA GAS CO
Facility address: 8101 S. ROSEMEAD BLVD.
PICO RIVERA, CA 90660
EPA ID: CAT000625137
Mailing address: S. ROSEMEAD BOULEVARD
ATTN: NANCY LEE, SC721A
PICO RIVERA, CA 90660
Contact: NANCY B LEE
Contact address: S. ROSEMEAD BLVD.
PICO RIVERA, CA 90660
Contact country: US
Contact telephone: 562-806-4419
Contact email: NLEE2@SEMPRAUTILITIES.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: SOUTHERN CALIFORNIA GAS COMPANY
Owner/operator address: S. ROSEMEAD BLVD.
PICO RIVERA, CA 90660
Owner/operator country: US
Owner/operator telephone: 562-806-4419
Owner/operator email: NLEE2@SEMPRAUTILITIES.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/08/1980

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Owner/Op end date: Not reported

Owner/operator name: SOUTHERN CALIFORNIA GAS COMPANY
Owner/operator address: S. ROSEMEAD BLVD.
PICO RIVERA, CA 90660
Owner/operator country: US
Owner/operator telephone: 562-806-4419
Owner/operator email: NLEE2@SEMPRAUTILITIES.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/08/1980
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: Yes
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: Yes
Used oil transporter: Yes

Universal Waste Summary:
Waste type: C
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Historical Generators:
Date form received by agency: 02/26/2016
Site name: SOUTHERN CALIFORNIA GAS COMPANY

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: SOUTHERN CALIFORNIA GAS COMPANY-PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 09/11/2012
Site name: SOUTHERN CALIFORNIA GAS COMPANY - PICO RIVERA TSDF
Classification: Large Quantity Generator

Date form received by agency: 06/21/2010
Site name: SOUTHERN CALIFORNIA GAS COMPANY-PICO RIVERA TSDF
Classification: Large Quantity Generator

Date form received by agency: 02/20/2008
Site name: SOUTHERN CALIFORNIA GAS CO. - PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 03/07/2006
Site name: SOUTHERN CALIFORNIA GAS CO - PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 03/31/2004
Site name: SOCAL GAS - PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 02/15/2002
Site name: SOUTHERN CALIFORNIA GAS COMPANY PICO RIV
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: STHRN CAL GAS CO PICO RIVERA STORAGE FA
Classification: Large Quantity Generator

Date form received by agency: 06/06/1999
Site name: SOUTHERN CALIFORNIA GAS COMPANY PICO RIV
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: SOUTHERN CALIFORNIA GAS CO
Classification: Large Quantity Generator

Date form received by agency: 04/23/1996
Site name: PICO RIVERA STORAGE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Site name: SO CAL GAS CO PICO RIVERA BASE
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Site name: PICO RIVERA BASE
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: SOUTHERN CALIFORNIA GAS CO-PICO R
Classification: Large Quantity Generator

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Date form received by agency: 08/18/1980
Site name: SOUTHERN CALIFORNIA GAS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 272
. Waste name: Polymeric resin waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 341
. Waste name: Organic liquids (nonsolvents) with halogens

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 581
. Waste name: Gas scrubber waste

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 722
. Waste name: Liquids with cadmium > 100 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 724
. Waste name: Liquids with lead > 500 mg/l

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U008
. Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: U151
. Waste name: MERCURY

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 4259.9

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 5427.5

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 850

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 1350

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 325

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 30365

Waste code: D008
Waste name: LEAD
Amount (Lbs): 48813

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 2650

Waste code: D011
Waste name: SILVER

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Amount (Lbs): 13

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 4318.4

Corrective Action Summary:

Event date: 06/03/1993
Event: STABILIZATION MEASURES EVALUATION-NOT AMENABLE TO STABILIZATION (NOT FEASIBLE)

Event date: 06/30/1993
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 06/30/1993
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 07/09/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/09/2010
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 07/09/2010
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/09/2010
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/09/2010
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 07/09/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/05/2011
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/05/2011
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/05/2011
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 11/17/2011
Date achieved compliance: 11/17/2011
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 04/03/2008
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/07/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/10/2007
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/15/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 06/27/2006
Date achieved compliance: 08/16/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/27/2006
Date achieved compliance: 08/16/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/2006
Enf. disposition status: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/14/2006
Date achieved compliance: 07/31/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/14/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/14/2006
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/14/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/15/2017
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/01/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2016
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/14/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Evaluation date: 01/27/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 11/17/2011
Evaluation lead agency: EPA

Evaluation date: 09/13/2011
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/29/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/03/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/13/2010
Evaluation lead agency: State

Evaluation date: 06/07/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/10/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Date achieved compliance: 04/13/2010
Evaluation lead agency: State

Evaluation date: 06/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/16/2006
Evaluation lead agency: State

Evaluation date: 06/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/16/2006
Evaluation lead agency: State

Evaluation date: 06/14/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/31/2006
Evaluation lead agency: State

Evaluation date: 06/14/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/13/2010
Evaluation lead agency: State

Evaluation date: 02/03/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/30/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/24/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/05/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/08/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Evaluation date: 09/08/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/03/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/24/1995
Evaluation lead agency: State

Evaluation date: 09/05/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 08/02/2018
Facility name: SOUTHERN CALIFORNIA GAS CO
Facility address: 8101 S. ROSEMEAD BLVD.
PICO RIVERA, CA 90660
EPA ID: CAT000625137
Mailing address: S. ROSEMEAD BOULEVARD
ATTN: NANCY LEE, SC721A
PICO RIVERA, CA 90660
Contact: NANCY B LEE
Contact address: S. ROSEMEAD BLVD.
PICO RIVERA, CA 90660
Contact country: US
Contact telephone: 562-806-4419
Contact email: NLEE2@SEMPRAUTILITIES.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Owner/Operator Summary:

Owner/operator name:	SOUTHERN CALIFORNIA GAS COMPANY
Owner/operator address:	S. ROSEMEAD BLVD.
	PICO RIVERA, CA 90660
Owner/operator country:	US
Owner/operator telephone:	562-806-4419
Owner/operator email:	NLEE2@SEMPRAUTILITIES.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/08/1980
Owner/Op end date:	Not reported

Owner/operator name:	SOUTHERN CALIFORNIA GAS COMPANY
Owner/operator address:	S. ROSEMEAD BLVD.
	PICO RIVERA, CA 90660
Owner/operator country:	US
Owner/operator telephone:	562-806-4419
Owner/operator email:	NLEE2@SEMPRAUTILITIES.COM
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	08/08/1980
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	Yes
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	Yes
Used oil transporter:	Yes

Universal Waste Summary:

Waste type:	C
Accumulated waste on-site:	No
Generated waste on-site:	Yes

Waste type:	Batteries
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Waste type:	Thermostats
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: E
Accumulated waste on-site: No
Generated waste on-site: Yes

Historical Generators:
Date form received by agency: 02/26/2016
Site name: SOUTHERN CALIFORNIA GAS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/01/2014
Site name: SOUTHERN CALIFORNIA GAS COMPANY-PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 09/11/2012
Site name: SOUTHERN CALIFORNIA GAS COMPANY - PICO RIVERA TSDF
Classification: Large Quantity Generator

Date form received by agency: 06/21/2010
Site name: SOUTHERN CALIFORNIA GAS COMPANY-PICO RIVERA TSDF
Classification: Large Quantity Generator

Date form received by agency: 02/20/2008
Site name: SOUTHERN CALIFORNIA GAS CO. - PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 03/07/2006
Site name: SOUTHERN CALIFORNIA GAS CO - PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 03/31/2004
Site name: SOCAL GAS - PICO RIVERA
Classification: Large Quantity Generator

Date form received by agency: 02/15/2002
Site name: SOUTHERN CALIFORNIA GAS COMPANY PICO RIV
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: STHRN CAL GAS CO PICO RIVERA STORAGE FA
Classification: Large Quantity Generator

Date form received by agency: 06/06/1999
Site name: SOUTHERN CALIFORNIA GAS COMPANY PICO RIV
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: SOUTHERN CALIFORNIA GAS CO
Classification: Large Quantity Generator

Date form received by agency: 04/23/1996
Site name: PICO RIVERA STORAGE FACILITY
Classification: Large Quantity Generator

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Date form received by agency: 03/28/1994
Site name: SO CAL GAS CO PICO RIVERA BASE
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Site name: PICO RIVERA BASE
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: SOUTHERN CALIFORNIA GAS CO-PICO R
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: SOUTHERN CALIFORNIA GAS CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 123
. Waste name: Unspecified alkaline solution

. Waste code: 132
. Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

. Waste code: 133
. Waste name: Aqueous solution with 10% or more total organic residues

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: 135
. Waste name: Unspecified aqueous solution

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 151
. Waste name: Asbestos-containing waste

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 213
. Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

. Waste code: 214
. Waste name: Unspecified solvent mixture

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: 221
. Waste name: Waste oil and mixed oil

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 241
. Waste name: Tank bottom waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB's

. Waste code: 271
. Waste name: Organic monomer waste (includes unreacted resins)

. Waste code: 272
. Waste name: Polymeric resin waste

. Waste code: 291
. Waste name: Latex waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 341
. Waste name: Organic liquids (nonsolvents) with halogens

. Waste code: 342
. Waste name: Organic liquids with metals (see 121)

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 491
. Waste name: Unspecified sludge waste

. Waste code: 512
. Waste name: Other empty containers 30 gallons or more

. Waste code: 513
. Waste name: Empty containers less than 30 gallons

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 581
. Waste name: Gas scrubber waste

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 722
. Waste name: Liquids with cadmium > 100 mg/l

. Waste code: 723
. Waste name: Liquids with chromium (VI) > 500 mg/l

. Waste code: 724
. Waste name: Liquids with lead > 500 mg/l

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 741
. Waste name: Liquids with halogenated organic compounds > 1000 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: 792
. Waste name: Liquids with pH < 2 with metals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U008
. Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

. Waste code: U151
. Waste name: MERCURY

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 4259.9

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 5427.5

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 850

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 1350

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 325

Waste code: D007
Waste name: CHROMIUM

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Amount (Lbs): 30365

Waste code: D008
Waste name: LEAD
Amount (Lbs): 48813

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 2650

Waste code: D011
Waste name: SILVER
Amount (Lbs): 13

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 4318.4

Corrective Action Summary:

Event date: 06/03/1993
Event: STABILIZATION MEASURES EVALUATION-NOT AMENABLE TO STABILIZATION (NOT FEASIBLE)

Event date: 06/30/1993
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 06/30/1993
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 07/09/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/09/2010
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 07/09/2010
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/09/2010
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/09/2010
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 07/09/2010
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/05/2011
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 08/05/2011
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Event date: 08/05/2011
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 11/17/2011
Date achieved compliance: 11/17/2011
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 04/03/2008
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/07/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/10/2007
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/15/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 06/27/2006
Date achieved compliance: 08/16/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 06/27/2006
Date achieved compliance: 08/16/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/21/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/14/2006
Date achieved compliance: 07/31/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/14/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/14/2006
Date achieved compliance: 04/13/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/14/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/03/1995
Date achieved compliance: 04/24/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 10/24/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/15/2017
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/01/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2016
Evaluation: FINANCIAL RECORD REVIEW

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/14/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/2014
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 11/17/2011
Evaluation lead agency: EPA

Evaluation date: 09/13/2011
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/29/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/03/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/13/2010
Evaluation lead agency: State

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Evaluation date: 06/07/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/10/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/13/2010
Evaluation lead agency: State

Evaluation date: 06/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/16/2006
Evaluation lead agency: State

Evaluation date: 06/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/16/2006
Evaluation lead agency: State

Evaluation date: 06/14/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/31/2006
Evaluation lead agency: State

Evaluation date: 06/14/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/13/2010
Evaluation lead agency: State

Evaluation date: 02/03/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/30/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/24/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/05/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/08/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/08/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/03/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/24/1995
Evaluation lead agency: State

Evaluation date: 09/05/1985
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 1008853
Face value: 9148904
Effective date: 2018-03-22 00:00:00
Provider: SOUTHERN CALIFORNIA GAS CO
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 858595
Face value: 1024995
Effective date: 2011-03-25 00:00:00
Provider: SOUTHERN CALIFORNIA EDISON CO.
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

Cost estimate: 8000000
Face value: 9148904
Effective date: 2018-03-22 00:00:00
Provider: SOUTHERN CALIFORNIA GAS CO
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 1008853
Face value: 1114106
Effective date: 2016-03-30 00:00:00
Provider: SOUTHERN CALIFORNIA GAS CO
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2000000
Face value: 2000000
Effective date: 2016-03-31 00:00:00
Provider: SOUTHERN CALIFORNIA GAS COMPANY
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2000000
Face value: 2947291
Effective date: 2008-03-24 00:00:00
Provider: SOUTHERN CALIFORNIA EDISON CO.
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 6000000
Face value: 6000000
Effective date: 2016-03-30 00:00:00
Provider: SOUTHERN CALIFORNIA GAS CO
EPA region: 9

EPA ID: CAT000625137
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 6000000
Face value: 6000000
Effective date: 2016-04-01 00:00:00
Provider: SOUTHERN CALIFORNIA GAS COMPANY
EPA region: 9

EPA ID: CAT000625137

SOUTHERN CALIFORNIA GAS CO (Continued) **1015730699**

County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 2000000
Face value: 2000000
Effective date: 2016-03-30 00:00:00
Provider: SOUTHERN CALIFORNIA GAS CO
EPA region: 9

2020 COR ACTION:
EPA ID: CAT000625137
Region: 9
Action: Remedy Construction

P99 **SOUTHERN CALIFORNIA GAS CO** **ICE** **S111865975**
ESE **8101 S ROSEMEAD BLVD** **HWP** **N/A**
1/2-1 **PICO RIVERA, CA 90660** **CERS**
0.938 mi.
4953 ft. **Site 2 of 5 in cluster P**

Relative: Higher
Actual: 148 ft.

ICE:
Envirostor ID: 3000727
Name: SOUTHERN CALIFORNIA GAS CO
Address: 8101 S ROSEMEAD BLVD
City,State,Zip: PICO RIVERA, CA 90660
EPA ID: CAT000625137
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/29/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 02/03/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/14/2006
Violation Class: Class 2, Minor
RTC Date: 04/13/2010

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/10/2007
Violation Class: Minor
RTC Date: 04/13/2010

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/24/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/27/2006
Violation Class: Minor

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

RTC Date: 08/16/2006

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/07/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 04/03/2008
Violation Class: Minor
RTC Date: 04/13/2010

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 01/26/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 10/30/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 04/19/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/16/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 01/27/2014
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/14/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/13/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/01/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 09/15/2017
Violation Class: No Violations
RTC Date: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

HWP:

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	8101 S ROSEMEAD BLVD
City,State,Zip:	PICO RIVERA, CA 90660
EPA Id:	CAT000625137
Cleanup Status:	OPERATING PERMIT
Latitude:	33.96898
Longitude:	-118.1074
Facility Type:	Permitted - Operating
Facility Size:	Small Storage
Team:	EDWARD NIETO
Supervisor:	MATTHEW MULLINAX
Site Code:	300330, 300330
Assembly District:	53, 58
Senate District:	30, 32
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAT000625137
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - With Changes - TECHNICAL COMPLETE LETTER
Actual Date:	05/03/2019
EPA Id:	CAT000625137
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL CEQA
Actual Date:	05/03/2019
EPA Id:	CAT000625137
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date:	02/02/2007
EPA Id:	CAT000625137
Facility Type:	Permitted - Operating
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - MAILING LIST
Actual Date:	01/30/2017
EPA Id:	CAT000625137
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date:	11/03/2016
EPA Id:	CAT000625137
Facility Type:	Permitted - Operating
Unit Names:	CONTAIN1 (GPRA Unit)
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	08/31/1995
EPA Id:	CAT000625137
Facility Type:	Permitted - Operating

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 09/16/1996

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 02/06/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 02/06/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/01/1980

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - DTSC MEETING WITH APPLICANT
Actual Date: 04/25/2016

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 08/31/1995

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 01/20/2017

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT APPEALED - FINAL DECISION
Actual Date: 11/09/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL
Actual Date: 06/25/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 06/19/2019

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 01/20/2017

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PERMIT APPEALED - FINAL DECISION
Actual Date: 02/10/1997

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 02/09/2016

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 07/30/2017

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - DRAFT PERMIT RENEWAL
Actual Date: 05/03/2019

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (BEGIN)
Actual Date: 05/03/2019

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - APPLICATION PART B RECEIVED
Actual Date: 03/16/2006

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - PUBLIC COMMENT (END)
Actual Date: 03/23/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 08/31/2028

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 01/30/2017

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - CALL-IN LETTER ISSUED
Actual Date: 08/19/2005

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 06/01/1995

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - TECHNICAL REVIEW COMPLETED
Actual Date: 04/26/2019

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 07/31/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 10/10/2006

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 10/12/1996

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PUBLIC COMMENT (END)
Actual Date: 10/15/1995

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - PUBLIC NOTICE BY PERMITTEE
Actual Date: 04/30/2017

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 12/30/2016

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: New Operating Permit - PERMIT APPEALED - APPEAL RECEIVED
Actual Date: 10/16/1996

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - PERMIT APPEALED - APPEAL RECEIVED
Actual Date: 07/30/2007

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: CONTAIN1 (GPRA Unit)
Event Description: Renewal - With Changes - FINAL PART A & PART B RECEIVED
Actual Date: 04/26/2019

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 02/25/2009

Alias:
EPA Id: CAT000625137
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 300330

EPA Id: CAT000625137
Facility Type: Permitted - Operating
Alias Type: Project Code (Site Code)
Alias: 300330

CERS:
Name: SOUTHERN CALIFORNIA GAS CO
Address: 8101 S ROSEMEAD BLVD
City,State,Zip: PICO RIVERA, CA 90660
Site ID: 199576
CERS ID: CAT000625137
CERS Description: Hazardous Waste

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2012
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 01-27-2014
Violations Found: No

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	02-03-2004
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-24-2000
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	04-03-2008
Violations Found:	Yes
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2010-04-13 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	04-19-2012
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-29-2008
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	05-10-2007
Violations Found:	Yes
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal Return To

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

	Compliance: 2010-04-13 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-07-2007
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	06-14-2006
Violations Found:	Yes
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal Return To Compliance: 2010-04-13 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-14-2016
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-27-2006
Violations Found:	Yes
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal Return To Compliance: 2006-08-16 00:00:00
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Information Request
Eval Date:	07-13-2016
Violations Found:	No
Eval Type:	DTSC Financial Records Review
Eval Notes:	Financial Records Review - Treatment, Storage and Disposal
Eval Division:	Department of Toxic Substances Control
Eval Program:	DTSC_ENF
Eval Source:	ENVSTORHAZ
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-01-2017
Violations Found:	No
Eval Type:	DTSC Compliance Evaluation Inspection
Eval Notes:	Compliance Evaluation Inspection - Treatment, Storage and Disposal

SOUTHERN CALIFORNIA GAS CO (Continued) **S111865975**

Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Information Request
Eval Date: 09-15-2017
Violations Found: No
Eval Type: DTSC Financial Records Review
Eval Notes: Financial Records Review - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2003
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2013
Violations Found: No
Eval Type: DTSC Compliance Evaluation Inspection
Eval Notes: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Eval Division: Department of Toxic Substances Control
Eval Program: DTSC_ENF
Eval Source: ENVSTORHAZ

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: Nancy Lee
Entity Title: Not reported
Affiliation Address: 8101 S ROSEMEAD BLVD.MAIL LOCATION SC722E
Affiliation City: PICO RIVERA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 906605100
Affiliation Phone: 5628064419

Affiliation Type Desc: Facility Owner
Entity Name: Southern California Gas Company
Entity Title: Not reported
Affiliation Address: 8101 S ROSEMEAD BLVD
Affiliation City: PICO RIVERA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 906605100
Affiliation Phone: 5628064419

P100 **SOUTHERN CALIFORNIA GAS CO** **ENVIROSTOR** **S118757550**
ESE **8101 S ROSEMEAD BLVD** **N/A**
1/2-1 **PICO RIVERA, CA 90660**
0.938 mi.
4953 ft. **Site 3 of 5 in cluster P**

Relative:
Higher

Actual:
148 ft.

ENVIROSTOR:

Name:	SOUTHERN CALIFORNIA GAS CO
Address:	8101 S ROSEMEAD BLVD
City,State,Zip:	PICO RIVERA, CA 90660
Facility ID:	80001809
Status:	No Action Required
Status Date:	02/04/2014
Site Code:	300330
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Not reported
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	58
Senate:	32
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.96898
Longitude:	-118.1074
APN:	6368006800
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	6368006800
Alias Type:	APN
Alias Name:	CAT000625137
Alias Type:	EPA Identification Number
Alias Name:	300330
Alias Type:	Project Code (Site Code)
Alias Name:	80001809
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	06/30/1993
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	06/03/1993
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

SOUTHERN CALIFORNIA GAS CO (Continued) **S118757550**

Completed Document Type: Remedy Construction Complete
Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Other Instrument
Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 07/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 08/05/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 07/09/2010
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

P101 **SOUTHERN CA GAS CO** **ENVIROSTOR** **S102279762**
ESE **8101 ROSEMEAD BLVD S** **LUST** **N/A**
1/2-1 **PICO RIVERA, CA 90660** **HIST CORTESE**
0.938 mi. **NPDES**
4953 ft. **Site 4 of 5 in cluster P** **CIWQS**
CERS

Relative:
Higher

Actual:
148 ft.

ENVIROSTOR:

Name:	SO CAL GAS/PICO RIVERA MGP
Address:	8101 SOUTH ROSEMEAD
City,State,Zip:	PICO RIVERA, CA 90660
Facility ID:	19490119
Status:	Refer: RCRA
Status Date:	09/06/1995
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:	Referred - Not Assigned
Division Branch:	Cleanup Chatsworth
Assembly:	58
Senate:	32
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.96849
Longitude:	-118.1090
APN:	6368006800
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SO CAL GAS/PICO RIVERA
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIF GAS CO - PICO RIVERA
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS
Alias Type:	Alternate Name
Alias Name:	SOUTHERN CALIFORNIA GAS COMPANY
Alias Type:	Alternate Name
Alias Name:	6368006800
Alias Type:	APN
Alias Name:	CAT000625137
Alias Type:	EPA Identification Number
Alias Name:	19490119
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	11/13/1980
Comments:	FACILITY IDENTIFIED FAC ID LACE CO ENGR. STD S/G TRAP TO SEWER
Future Area Name:	Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

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

LUST:
Name: SOUTHERN CA GAS CO
Address: 8101 ROSEMEAD BLVD S
City,State,Zip: PICO RIVERA, CA 90660
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702939
Global Id: T0603702939
Latitude: 33.968029
Longitude: -118.106616
Status: Completed - Case Closed
Status Date: 07/31/1991
Case Worker: JOA
RB Case Number: I-03798
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603702939
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: T0603702939
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: T0603702939
Action Type: Other
Date: 05/02/1989
Action: Leak Discovery

Global Id: T0603702939
Action Type: Other

SOUTHERN CA GAS CO (Continued) **S102279762**

Date: 05/04/1989
Action: Leak Reported

LUST:
Global Id: T0603702939
Status: Open - Case Begin Date
Status Date: 05/02/1989

Global Id: T0603702939
Status: Open - Site Assessment
Status Date: 05/03/1989

Global Id: T0603702939
Status: Completed - Case Closed
Status Date: 07/31/1991

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-03798
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702939
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: SLAUSON
Enforcement Type: Not reported
Date Leak Discovered: 5/2/1989
Date Leak First Reported: 5/4/1989
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/18/1991
Date the Case was Closed: 7/31/1991
How Leak Discovered: OM
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): 2041.702496224132201214760 1259
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 5/3/1989
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

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: SOUTHERN CALIFORNIA GAS CO.
RP Address: 8101 S ROSEMEAD BLVD, PICO RIVERA, CA 90660
Program: LUST
Lat/Long: 33.9675456 / -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: UST HERE A 55 GALLON DRUM. TPH IN SOIL 22000 MG/KG.

HIST CORTESE:
edr_fname: SOUTHERN CA GAS CO
edr_fadd1: 8101 ROSEMEAD
City,State,Zip: PICO RIVERA, CA 90660
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-03798

NPDES:
Name: PICO RIVERA FACILITY
Address: 8101 ROSEMEAD BLVD
City,State,Zip: PICO RIVERA, CA 90660
Facility Status: Terminated
NPDES Number: CAS000001
Region: 4
Agency Number: 0
Regulatory Measure ID: 188997
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 4 19I002595
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/01/1992
Termination Date Of Regulatory Measure: 04/04/2017
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 555 W 5th Street ML GT17E2
Discharge Name: Southern California Gas Company TSFs
Discharge City: LosAngeles
Discharge State: California
Discharge Zip: 90013
Status: Not reported
Status Date: Not reported
Operator Name: Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	188997
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002595
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/04/2017
Discharge Name:	Southern California Gas Company TSFs
Discharge Address:	555 W 5th Street ML GT17E2
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90013
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188997
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002595
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992
Status:	Active
Status Date:	04/11/2017
Place Size:	34.2
Place Size Unit:	Acres
Contact:	Ronald Fowler
Contact Title:	Interim Facility Manager
Contact Phone:	714-634-5003
Contact Phone Ext:	Not reported
Contact Email:	RWFowler@semprautilities.com
Operator Name:	Southern California Gas Company TSFs
Operator Address:	555 W 5th Street ML GT17E2
Operator City:	LosAngeles

SOUTHERN CA GAS CO (Continued) **S102279762**

Operator State:	California
Operator Zip:	90013
Operator Contact:	Ricardo Moreno
Operator Contact Title:	Water Quality Team Leader
Operator Contact Phone:	213-244-8305
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rmoreno3@semprautilities.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	714-837-7916
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Rio Hondo River Reach 1
Certifier:	Richard Pearson
Certifier Title:	Director
Certification Date:	31-JAN-17
Primary Sic:	4953-Refuse Systems
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	PICO RIVERA FACILITY
Address:	8101 ROSEMEAD BLVD
City,State,Zip:	PICO RIVERA, CA 90660
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:	4 19I002595
Regulatory Measure Type:	Industrial
Program Type:	Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

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:	Terminated
Status Date:	08/29/2017
Operator Name:	Southern California Gas Company TSFs
Operator Address:	555 W 5th Street ML GT17E2
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90013

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	188997
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19I002595
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/04/2017
Discharge Name:	Southern California Gas Company TSFs
Discharge Address:	555 W 5th Street ML GT17E2
Discharge City:	LosAngeles
Discharge State:	California
Discharge Zip:	90013
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	188997
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	4 19I002595
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/01/1992

SOUTHERN CA GAS CO (Continued) **S102279762**

Status:	Active
Status Date:	04/11/2017
Place Size:	34.2
Place Size Unit:	Acres
Contact:	Ronald Fowler
Contact Title:	Interim Facility Manager
Contact Phone:	714-634-5003
Contact Phone Ext:	Not reported
Contact Email:	RWFowler@semprautilities.com
Operator Name:	Southern California Gas Company TSFs
Operator Address:	555 W 5th Street ML GT17E2
Operator City:	LosAngeles
Operator State:	California
Operator Zip:	90013
Operator Contact:	Ricardo Moreno
Operator Contact Title:	Water Quality Team Leader
Operator Contact Phone:	213-244-8305
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rmoreno3@semprautilities.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	714-837-7916
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Rio Hondo River Reach 1
Certifier:	Richard Pearson
Certifier Title:	Director
Certification Date:	31-JAN-17
Primary Sic:	4953-Refuse Systems
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

SOUTHERN CA GAS CO (Continued) **S102279762**

CIWQS:

Name:	PICO RIVERA FACILITY
Address:	8101 ROSEMEAD BLVD
City,State,Zip:	PICO RIVERA, CA 90660
Agency:	Southern California Gas Company TSFs
Agency Address:	555 W 5th Street ML GT17E2, Losangeles, CA 90013
Place/Project Type:	Industrial - Refuse Systems
SIC/NAICS:	4953
Region:	4
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	4 19I002595
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/01/1992
Termination Date:	04/04/2017
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:	33.968
Longitude:	-118.10651

CERS:

Name:	SOUTHERN CA GAS CO
Address:	8101 ROSEMEAD BLVD S
City,State,Zip:	PICO RIVERA, CA 90660
Site ID:	191095
CERS ID:	T0603702939
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

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:	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

P102
ESE
1/2-1
0.938 mi.
4953 ft.

SO CAL GAS/PICO RIVERA MGP
8101 SOUTH ROSEMEAD
PICO RIVERA, CA 90660

Site 5 of 5 in cluster P

EDR MGP

1008407733
N/A

Relative:
Higher

Actual:
148 ft.

Manufactured Gas Plants:

No additional information available

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BELL GARDENS	S111076078	SALVAGE CORP	7100 EAST GAGE AVENUE		SWF/LF
BELL GARDENS	S111075970	LA BY-PRODUCTS - SLAUSON AVENUE PI	7140 SLAUSON AVENUE		SWF/LF, LOS ANGELES CO LF METHANE
COMMERCE	S111075995	MARTIN BLAIR ROCK QUARRY	8000 TELEGRAPH ROAD		SWF/LF
MONTEBELLO	S111076114	STATE OF CA HIGHWAY ROAD MAINTENAN	7840 EAST TELEGRAPH ROAD	90040	SWF/LF, LOS ANGELES CO LF METHANE

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

Federal NPL site list

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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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

Federal Delisted NPL site list

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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

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 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 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

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 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 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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/13/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 08/26/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 42

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Semi-Annually

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: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/04/2019
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: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/05/2019
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: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/23/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
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: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

State and tribal Brownfields 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: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 34

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/02/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 04/29/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/28/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 09/23/2019
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Annually

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: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

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

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: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/15/2019
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 58

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 55

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
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: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
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: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/07/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
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: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/04/2019
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: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/16/2019
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: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
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: 07/03/2019
Next Scheduled EDR Contact: 10/21/2019
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: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
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: 04/01/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 100

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/11/2019
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: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 10/14/2019
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

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: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
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: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
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: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/23/2019
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: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
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: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/24/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 57

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 08/15/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/18/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 11

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 03/19/2019
Date Data Arrived at EDR: 03/22/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 18

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 09/30/2019
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 05/15/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

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: 12/31/2017
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 54

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
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: 04/08/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 51

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 05/17/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2019
Next Scheduled EDR Contact: 11/25/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/09/2019
Number of Days to Update: 66

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/17/2019
Date Data Arrived at EDR: 06/18/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 64

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
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: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/21/2019
Number of Days to Update: 7

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/11/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 43

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/11/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 70

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 06/27/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 26

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 27

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/24/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/17/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/22/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/26/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 06/05/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 47

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 11/11/2019
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: 04/10/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/16/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 13

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/30/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 53

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/13/2019
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 63

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019
Date Data Arrived at EDR: 04/16/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 66

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
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: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/30/2012
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 42

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 10/28/2019
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: 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: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 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: 06/25/2019
Next Scheduled EDR Contact: 10/07/2019
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: 07/15/2019
Date Data Arrived at EDR: 07/17/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/12/2019
Next Scheduled EDR Contact: 10/28/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/04/2019
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 Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 05/28/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 67

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/23/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 53

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
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: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/05/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 9

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/09/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/12/2019
Number of Days to Update: 69

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
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: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 18

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/12/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 69

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
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: 05/06/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 55

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
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: 02/06/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 06/20/2019
Number of Days to Update: 79

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/28/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 48

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/16/2019
Next Scheduled EDR Contact: 11/18/2019
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: 05/31/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/04/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 65

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
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: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 06/17/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/06/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 08/15/2019
Number of Days to Update: 1

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 09/23/2019
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: 09/05/2019
Next Scheduled EDR Contact: 12/23/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 56

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/19/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 07/22/2019
Number of Days to Update: 60
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/14/2019
Next Scheduled EDR Contact: 12/02/2019
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: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
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: 07/23/2019
Number of Days to Update: 47
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
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: 04/03/2019
Date Data Arrived at EDR: 04/11/2019
Date Made Active in Reports: 04/30/2019
Number of Days to Update: 19

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 07/23/2019
Number of Days to Update: 49

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/28/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/31/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/28/2019
Number of Days to Update: 64

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/19/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 05/09/2019
Date Data Arrived at EDR: 05/10/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/05/2019
Next Scheduled EDR Contact: 11/18/2019
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: 07/31/2019
Next Scheduled EDR Contact: 11/04/2019
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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 63

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
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: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 03/26/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/30/2019
Number of Days to Update: 35
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/22/2019
Next Scheduled EDR Contact: 11/04/2019
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: 06/10/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 07/24/2019
Number of Days to Update: 42
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
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: 06/26/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 07/31/2019
Number of Days to Update: 33
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 07/16/2019
Number of Days to Update: 70
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/25/2019
Next Scheduled EDR Contact: 11/11/2019
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: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
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: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
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: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2019
Next Scheduled EDR Contact: 11/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
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: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VETERANS MEMORIAL PARK
6364 ZINDELL AVENUE
LOS ANGELES, CA 90040

TARGET PROPERTY COORDINATES

Latitude (North):	33.972567 - 33° 58' 21.24''
Longitude (West):	118.125828 - 118° 7' 32.98''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	395993.9
UTM Y (Meters):	3759491.0
Elevation:	148 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633765 SOUTH GATE, CA
Version Date:	2012
Southeast Map:	5633777 WHITTIER, CA
Version Date:	2012

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).

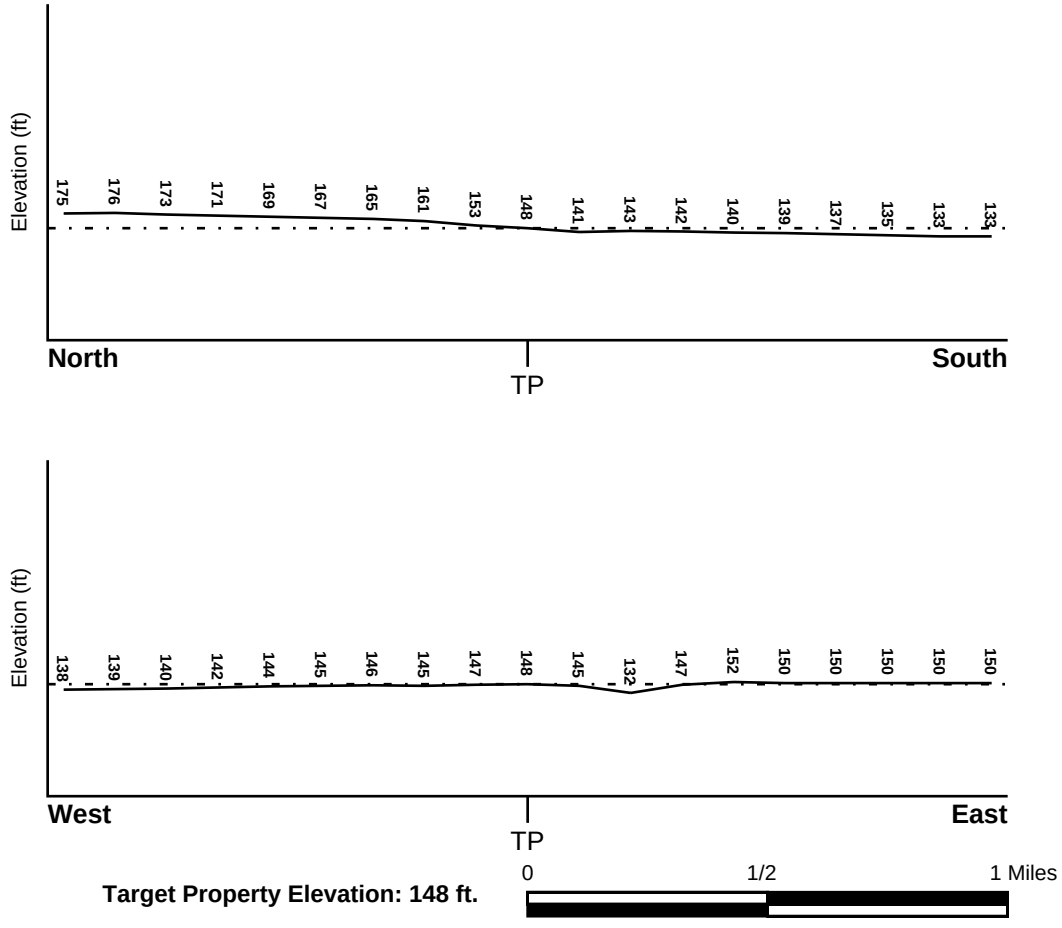
TOPOGRAPHIC INFORMATION

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



Target Property Elevation: 148 ft.

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
06037C1810F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1830F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WHITTIER	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
Location Relative to TP:	1 - 2 Miles WSW
Site Name:	J&S Chrome Plating
Site EPA ID Number:	CAD982400343
Groundwater Flow Direction:	WSW ON A REGIONAL BASIS.
Inferred Depth to Water:	less than 20 feet.
Hydraulic Connection:	Aquifers underlying the site are hydraulically connected.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

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
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy 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
1	USGS40000139418	0 - 1/8 Mile North
2	USGS40000139406	1/4 - 1/2 Mile East
A4	USGS40000139393	1/4 - 1/2 Mile ESE
6	USGS40000139449	1/4 - 1/2 Mile NE
B8	USGS40000139414	1/2 - 1 Mile ENE
B15	USGS40000139428	1/2 - 1 Mile ENE
B16	USGS40000139427	1/2 - 1 Mile ENE
B17	USGS40000139430	1/2 - 1 Mile ENE
B18	USGS40000139429	1/2 - 1 Mile ENE
B19	USGS40000139425	1/2 - 1 Mile ENE
B20	USGS40000139426	1/2 - 1 Mile ENE
25	USGS40000139403	1/2 - 1 Mile West
29	USGS40000139531	1/2 - 1 Mile North
30	USGS40000139367	1/2 - 1 Mile ESE
31	USGS40000139329	1/2 - 1 Mile SW
32	USGS40000139521	1/2 - 1 Mile NE
42	USGS40000139522	1/2 - 1 Mile NW

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
A3	2870	1/4 - 1/2 Mile ESE
A5	2868	1/4 - 1/2 Mile ESE
7	2871	1/4 - 1/2 Mile SSE
B9	CADWR8000006281	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

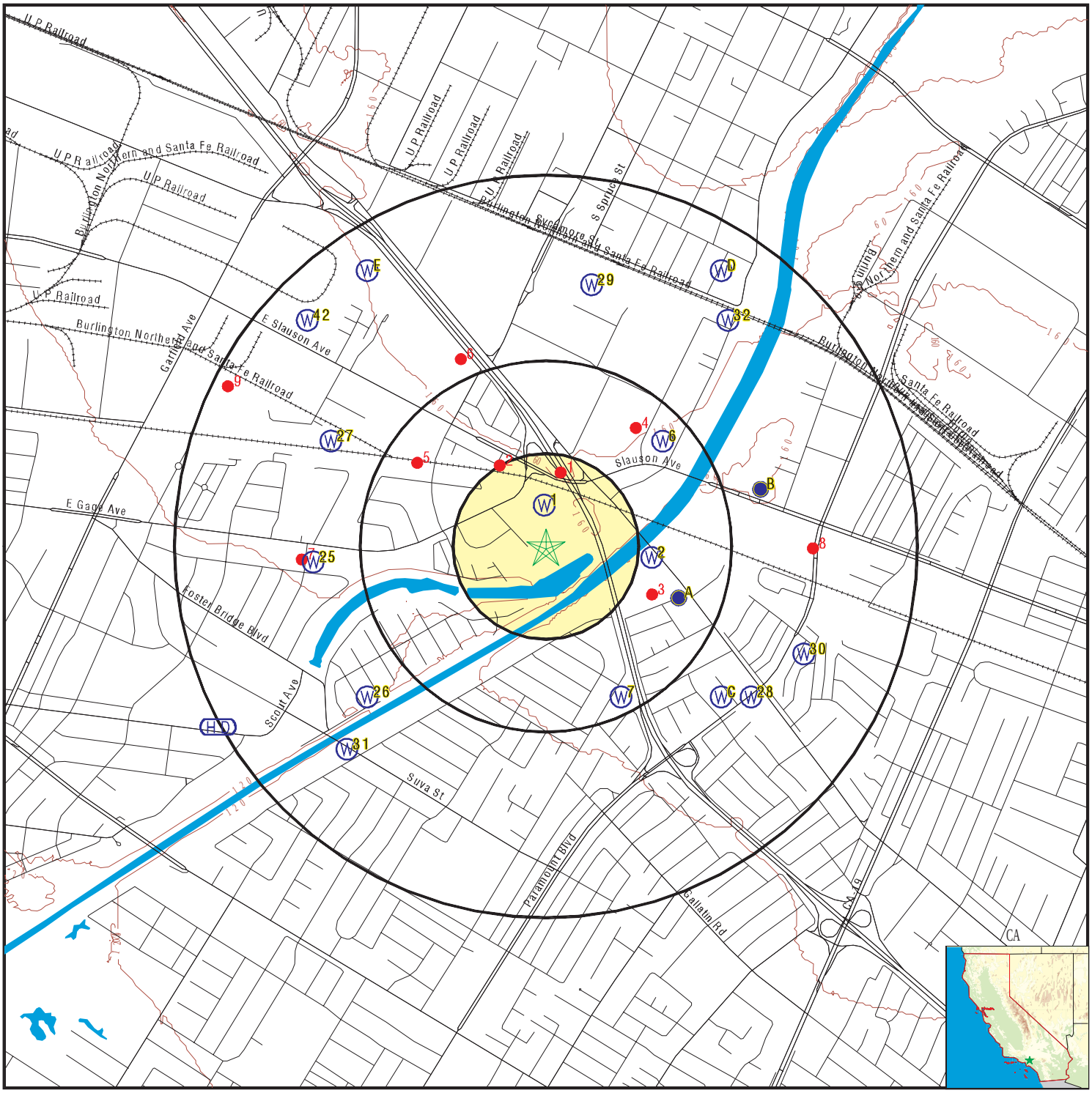
MAP ID	WELL ID	LOCATION FROM TP
B10	CADWR8000006280	1/2 - 1 Mile ENE
B11	CADWR8000006283	1/2 - 1 Mile ENE
B12	CADWR8000006282	1/2 - 1 Mile ENE
B13	CADWR8000006278	1/2 - 1 Mile ENE
B14	CADWR8000006279	1/2 - 1 Mile ENE
C21	2863	1/2 - 1 Mile SE
C22	2851	1/2 - 1 Mile SE
C23	2869	1/2 - 1 Mile SE
C24	2864	1/2 - 1 Mile SE
26	2873	1/2 - 1 Mile SW
27	14248	1/2 - 1 Mile WNW
28	2872	1/2 - 1 Mile SE
D33	2828	1/2 - 1 Mile NNE
D34	2849	1/2 - 1 Mile NNE
D35	2850	1/2 - 1 Mile NNE
E36	2844	1/2 - 1 Mile NNW
E37	2843	1/2 - 1 Mile NNW
E38	2831	1/2 - 1 Mile NNW
E39	2847	1/2 - 1 Mile NNW
E40	2846	1/2 - 1 Mile NNW
E41	2845	1/2 - 1 Mile NNW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG13000005433	1/8 - 1/4 Mile North
2	CAOG13000005432	1/4 - 1/2 Mile NNW
3	CAOG13000005218	1/4 - 1/2 Mile ESE
4	CAOG13000005251	1/4 - 1/2 Mile NE
5	CAOG13000005431	1/4 - 1/2 Mile WNW
6	CAOG13000005429	1/2 - 1 Mile NNW
7	CAOG13000005430	1/2 - 1 Mile West
8	CAOG13000005219	1/2 - 1 Mile East
9	CAOG13000005179	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 05781776.2r



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Veterans Memorial Park	CLIENT: SCS Engineers
ADDRESS: 6364 Zindell Avenue Los Angeles CA 90040	CONTACT: Justin Rauzon
LAT/LONG: 33.972567 / 118.125828	INQUIRY #: 05781776.2r DATE: September 09, 2019 4:25 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
North
0 - 1/8 Mile
Higher

FED USGS **USGS40000139418**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W27C001S	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:	279
Well Depth Units:	ft	Well Hole Depth:	281
Well Hole Depth Units:	ft		

2
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000139406**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W27A005S	Type:	Well
Description:	LA WATER REPLENISHMENT DIST GPS LAT-LONG		
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:	900
Well Depth Units:	ft	Well Hole Depth:	900
Well Hole Depth Units:	ft		

A3
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **2870**

Seq:	2870	Prim sta c:	02S/12W-27H01 S
Frds no:	1910034005	County:	19
District:	07	User id:	4TH
System no:	1910034	Water type:	G
Source nam:	WELL 02 (OLD WELL 08)	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335815.0	Longitude:	1180710.0
Precision:	3	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:	1910034	System nam:	DOWNEY - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	9252 Stewart & Gray Road
City:	Downey	State:	CA
Zip:	90241	Zip ext:	Not Reported
Pop serv:	91000	Connection:	23000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Area serve: DOWNEY

Sample date:	10-JAN-17	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	0.4
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	10-JAN-17	Finding:	75.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	10-JAN-17	Finding:	54.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	3.1
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	49.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	9.4
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	48.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	2.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-JAN-17	Finding:	150.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	120.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	7.3
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	580.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	10-JAN-17	Finding:	2.1
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-AUG-16	Finding:	0.249
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-AUG-16	Finding:	0.418
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-MAR-16	Finding:	2.1
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-MAR-16	Finding:	2.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-DEC-15	Finding:	1.61
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-DEC-15	Finding:	1.28
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	05-MAY-15	Finding:	1.44
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	05-MAY-15	Finding:	1.02
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-MAR-15	Finding:	1.84
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-MAR-15	Finding:	1.47
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	12-FEB-15	Finding:	8.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-FEB-14	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	0.26
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	13-FEB-14	Finding:	74.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	13-FEB-14	Finding:	53.
Chemical:	CHLORIDE	Report units:	MG/L

Dlr:	0.		
Sample date:	13-FEB-14	Finding:	44.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	9.8
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	46.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	130.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	510.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	0.31
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	8.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-FEB-14	Finding:	0.33
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	13-FEB-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	3.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-FEB-13	Finding:	8.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-FEB-12	Finding:	8.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A4
ESE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000139393**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W27H001S	Type:	Well
Description:	LA WATER REPLENISHMENT DIST GPS LAT/LONG		
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:	661
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

A5
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **2868**

Seq:	2868	Prim sta c:	02S/12W-27A05 S
Frds no:	1910034004	County:	19
District:	07	User id:	4TH
System no:	1910034	Water type:	G
Source nam:	WELL 01 (OLD WELL 13)	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335815.0	Longitude:	1180705.0
Precision:	3	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:	1910034	System nam:	DOWNEY - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	9252 Stewart & Gray Road
City:	Downey	State:	CA
Zip:	90241	Zip ext:	Not Reported
Pop serv:	91000	Connection:	23000
Area serve:	DOWNEY		

6
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000139449**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W22R002S	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:	323
Well Depth Units:	ft	Well Hole Depth:	323
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

7
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **2871**

Seq:	2871	Prim sta c:	02S/12W-27K02 S
Frds no:	1910034006	County:	19
District:	07	User id:	4TH
System no:	1910034	Water type:	G
Source nam:	WELL 03 (OLD WELL 12) - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335800.0	Longitude:	1180717.0
Precision:	3	Status:	DS
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:	1910034	System nam:	DOWNEY - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	9252 Stewart & Gray Road
City:	Downey	State:	CA
Zip:	90241	Zip ext:	Not Reported
Pop serv:	91000	Connection:	23000
Area serve:	DOWNEY		

B8
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000139414**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D007S	Type:	Well
Description:	LA WATER REPLENISHMENT DIST GPS LAT-LONG		
HUC:	18070106	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:	19700226	Well Depth:	611
Well Depth Units:	ft	Well Hole Depth:	646
Well Hole Depth Units:	ft		

B9
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006281**

State Well #:	02S12W26D012S	Station ID:	2681
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Central	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B10
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006280**

State Well #:	02S12W26D011S	Station ID:	2680
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Central	Well Completion Rpt #:	Not Reported

B11
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006283**

State Well #:	02S12W26D014S	Station ID:	2682
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Central	Well Completion Rpt #:	Not Reported

B12
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006282**

State Well #:	02S12W26D013S	Station ID:	26192
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Central	Well Completion Rpt #:	Not Reported

B13
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006278**

State Well #:	02S12W26D009S	Station ID:	2679
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Central	Well Completion Rpt #:	Not Reported

B14
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR8000006279**

State Well #:	02S12W26D010S	Station ID:	26191
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Central	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B15
ENE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000139428**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D012S	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:	19971209	Well Depth:	450
Well Depth Units:	ft	Well Hole Depth:	1160
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	34	Level reading date:	2002-09-26
Feet below surface:	88.93	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-08-05	Feet below surface:	81.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	78.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-26	Feet below surface:	70.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-04	Feet below surface:	68.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-24	Feet below surface:	69.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-02	Feet below surface:	69.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-20	Feet below surface:	74.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-26	Feet below surface:	88.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-27	Feet below surface:	78.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-27	Feet below surface:	64.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-29	Feet below surface:	72.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	80.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-31	Feet below surface:	63.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-05-24	Feet below surface:	63.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-05	Feet below surface:	62.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-31	Feet below surface:	61.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-05	Feet below surface:	75.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-29	Feet below surface:	82.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-13	Feet below surface:	84.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	81.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	74.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-08	Feet below surface:	64.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-03	Feet below surface:	66.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	72.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	73.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-05	Feet below surface:	63.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	63.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-09	Feet below surface:	52.55
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1998-05-08	Feet below surface:	52.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	52.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-30	Feet below surface:	57.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-26	Feet below surface:	57.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-20	Feet below surface:	55.63
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B16
ENE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000139427**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D011S	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:	19971216	Well Depth:	730
Well Depth Units:	ft	Well Hole Depth:	1160
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	34	Level reading date:	2002-09-26
Feet below surface:	84.07	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-08-05	Feet below surface:	75.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	71.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-26	Feet below surface:	64.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-04	Feet below surface:	63.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-02	Feet below surface:	65.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-20	Feet below surface:	68.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-26	Feet below surface:	82.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-27	Feet below surface:	68.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-27	Feet below surface:	59.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	77.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-04	Feet below surface:	71.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-31	Feet below surface:	60.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-24	Feet below surface:	59.23
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-05	Feet below surface:	56.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-31	Feet below surface:	54.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-05	Feet below surface:	70.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-29	Feet below surface:	77.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-13	Feet below surface:	77.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	77.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-17	Feet below surface:	71.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	66.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-08	Feet below surface:	55.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-03	Feet below surface:	58.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	60.26
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	59.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	50.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-09	Feet below surface:	44.45
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1998-05-08	Feet below surface:	44.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-07	Feet below surface:	44.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	44.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-29	Feet below surface:	50.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-26	Feet below surface:	50.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-20	Feet below surface:	50.44
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B17
ENE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000139430**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D014S	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:	19971209	Well Depth:	160
Well Depth Units:	ft	Well Hole Depth:	1160
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	36	Level reading date:	2002-09-26
Feet below surface:	71.35	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2002-08-05	Feet below surface:	65.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	64.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-18	Feet below surface:	64.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-26	Feet below surface:	60.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-04	Feet below surface:	58.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-02	Feet below surface:	59.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-20	Feet below surface:	62.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-26	Feet below surface:	69.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-27	Feet below surface:	60.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-27	Feet below surface:	55.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	63.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-04	Feet below surface:	57.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-31	Feet below surface:	48.34
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-05-24	Feet below surface:	49.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-05	Feet below surface:	47.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-31	Feet below surface:	48.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-05	Feet below surface:	66.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-29	Feet below surface:	67.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-13	Feet below surface:	66.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	65.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-17	Feet below surface:	58.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	56.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-08	Feet below surface:	50.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-03	Feet below surface:	49.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	49.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	50.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-08-05	Feet below surface:	43.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	40.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-09	Feet below surface:	36.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-08	Feet below surface:	36.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-07	Feet below surface:	36.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	35.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-29	Feet below surface:	44.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-26	Feet below surface:	44.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-01-20	Feet below surface:	43.61
Feet to sea level:	Not Reported	Note:	Not Reported

B18
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000139429**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D013S	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:	19971209	Well Depth:	300
Well Depth Units:	ft	Well Hole Depth:	1160
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	35	Level reading date:	2002-09-26
Feet below surface:	75.65	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-08-05	Feet below surface:	69.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	68.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-18	Feet below surface:	67.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-26	Feet below surface:	63.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-04	Feet below surface:	61.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-02	Feet below surface:	62.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-20	Feet below surface:	66.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-26	Feet below surface:	73.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-27	Feet below surface:	64.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-27	Feet below surface:	57.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	67.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-04	Feet below surface:	61.32
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-05-31	Feet below surface:	51.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-24	Feet below surface:	52.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-05	Feet below surface:	50.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-31	Feet below surface:	50.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-05	Feet below surface:	68.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-29	Feet below surface:	70.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-13	Feet below surface:	70.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	69.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-17	Feet below surface:	62.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	59.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-08	Feet below surface:	53.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-03	Feet below surface:	53.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	53.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	54.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	44.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-09	Feet below surface:	39.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-08	Feet below surface:	38.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-07	Feet below surface:	38.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	38.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-30	Feet below surface:	46.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-26	Feet below surface:	46.56
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1998-01-20	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported

B19
ENE **FED USGS** **USGS40000139425**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D009S	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:	19971209	Well Depth:	1150
Well Depth Units:	ft	Well Hole Depth:	1160
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	33	Level reading date:	2002-09-26
Feet below surface:	79.22	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-08-05	Feet below surface:	72.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	69.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-26	Feet below surface:	64.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-04	Feet below surface:	63.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-02	Feet below surface:	66.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-20	Feet below surface:	68.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-26	Feet below surface:	77.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-27	Feet below surface:	65.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-27	Feet below surface:	58.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	71.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-04	Feet below surface:	66.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-31	Feet below surface:	59.02
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-05-24	Feet below surface:	58.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-05	Feet below surface:	56.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-31	Feet below surface:	56.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-05	Feet below surface:	69.34
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-29	Feet below surface:	71.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-13	Feet below surface:	72.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	70.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-17	Feet below surface:	65.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	61.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-08	Feet below surface:	54.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-03	Feet below surface:	57.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	56.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	56.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	47.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-09	Feet below surface:	45.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-08	Feet below surface:	49.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-07	Feet below surface:	45.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	44.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-28	Feet below surface:	50.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-26	Feet below surface:	50.54
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B20
ENE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000139426**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26D010S	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:	19971209	Well Depth:	930
Well Depth Units:	ft	Well Hole Depth:	1160
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	33	Level reading date:	2002-09-26
Feet below surface:	83.23	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2002-08-05	Feet below surface:	74.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-26	Feet below surface:	71.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-26	Feet below surface:	64.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-02-04	Feet below surface:	63.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-01-02	Feet below surface:	64.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-20	Feet below surface:	67.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-26	Feet below surface:	81.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-27	Feet below surface:	67.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-27	Feet below surface:	58.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	76.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-08-04	Feet below surface:	70.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-31	Feet below surface:	59.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-05-24	Feet below surface:	58.48
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-05	Feet below surface:	55.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-31	Feet below surface:	53.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-05	Feet below surface:	69.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-29	Feet below surface:	76.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-13	Feet below surface:	75.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	75.88
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-08-17	Feet below surface:	70.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-06-28	Feet below surface:	65.72
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-02-08	Feet below surface:	55.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-12-03	Feet below surface:	57.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-21	Feet below surface:	59.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-06	Feet below surface:	58.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-07-01	Feet below surface:	49.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-09	Feet below surface:	43.75
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1998-05-08	Feet below surface:	43.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-05-07	Feet below surface:	43.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-22	Feet below surface:	44.11
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-28	Feet below surface:	49.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-01-26	Feet below surface:	50.00
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID
Direction
Distance
Elevation

Database: CA WELLS 2863

EDR ID Number

C21
SE
1/2 - 1 Mile
Lower

Seq:	2863	Prim sta c:	02S/12W-26D07 S
Frds no:	1910042009	County:	19
District:	07	User id:	4TH
System no:	1910042	Water type:	G
Source nam:	WELL W5	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335800.0	Longitude:	1180700.0
Precision:	4	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:	1910042	System nam:	PICO RIVERA - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	P.O. Box 1016
City:	Pico Rivera	State:	CA
Zip:	90660	Zip ext:	Not Reported
Pop serv:	36000	Connection:	8945
Area serve:	Not Reported		

Sample date:	10-OCT-17	Finding:	2.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	10-OCT-17	Finding:	2.1
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		

Sample date:	24-APR-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	09-NOV-16	Finding:	3.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		

Sample date:	09-NOV-16	Finding:	3.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		

Sample date:	09-MAY-16	Finding:	150.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

Sample date:	09-MAY-16	Finding:	11.7
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		

Sample date:	09-MAY-16	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

Sample date:	09-MAY-16	Finding:	0.21
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	09-MAY-16	Finding:	70.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	09-MAY-16	Finding:	64.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	4.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	48.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	12.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	51.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	180.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-MAY-16	Finding:	620.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	7.47
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-16	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	14-OCT-15	Finding:	1.7
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	15-APR-15	Finding:	0.55
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	26-FEB-15	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-DEC-14	Finding:	1.1
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-14	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	16-SEP-14	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	23-APR-14	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	23-APR-14	Finding:	9.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JAN-14	Finding:	8.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JAN-14	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	28-OCT-13	Finding:	17.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-OCT-13	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	28-OCT-13	Finding:	7.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-OCT-13	Finding:	1.54
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-OCT-13	Finding:	6.e-003
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		
Sample date:	28-OCT-13	Finding:	0.426
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-OCT-13	Finding:	1.62
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-OCT-13	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-OCT-13	Finding:	0.458
Chemical:	RA-226 FOR CWS OR TOTAL RA FOR NTNC BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	28-OCT-13	Finding:	0.331
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		

Sample date:	28-OCT-13	Finding:	0.36
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	16-JUL-13	Finding:	0.45
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	16-JUL-13	Finding:	17.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	6.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-APR-13	Finding:	88.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	1400.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-APR-13	Finding:	11.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-APR-13	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	25-APR-13	Finding:	6.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-APR-13	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	0.31
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	25-APR-13	Finding:	54.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	25-APR-13	Finding:	37.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	3.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	39.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	8.
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	25-APR-13	Finding:	35.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	120.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	17.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	25-APR-13	Finding:	410.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	25-APR-13	Finding:	7.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-APR-13	Finding:	110.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	25-APR-13	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	24-JAN-13	Finding:	18.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	24-JAN-13	Finding:	0.71
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	24-JAN-13	Finding:	6.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-OCT-12	Finding:	8.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-OCT-12	Finding:	17.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	23-OCT-12	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	24-JUL-12	Finding:	17.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	24-JUL-12	Finding:	5.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	24-JUL-12	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	17-APR-12	Finding:	0.57
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	17-APR-12	Finding:	6.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	17-APR-12	Finding:	19.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	23-JAN-12	Finding:	6.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JAN-12	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

C22
SE
1/2 - 1 Mile
Lower

CA WELLS 2851

Seq:	2851	Prim sta c:	02S/12W-22R02 S
Frds no:	1910117001	County:	19
District:	07	User id:	4TH
System no:	1910117	Water type:	G
Source nam:	CHAPIN WELL 03 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335800.0	Longitude:	1180700.0
Precision:	8	Status:	DS
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:	1910117	System nam:	MONTEBELLO-CITY, WATER DEPT.
Hqname:	Not Reported	Address:	1720 NORTH FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	95112	Zip ext:	Not Reported
Pop serv:	6500	Connection:	1617
Area serve:	MONTEBELLO		

C23
SE
1/2 - 1 Mile
Lower

CA WELLS 2869

Seq:	2869	Prim sta c:	02S/12W-27G05 S
Frds no:	1910034031	County:	19
District:	07	User id:	4TH
System no:	1910034	Water type:	G
Source nam:	WELL 301 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335800.0	Longitude:	1180700.0
Precision:	8	Status:	DS

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:	1910034	System nam:	DOWNEY - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	9252 Stewart & Gray Road
City:	Downey	State:	CA
Zip:	90241	Zip ext:	Not Reported
Pop serv:	91000	Connection:	23000
Area serve:	DOWNEY		

C24
SE
1/2 - 1 Mile
Lower

CA WELLS 2864

Seq:	2864	Prim sta c:	02S/12W-26E03 S
Frds no:	1910042010	County:	19
District:	07	User id:	4TH
System no:	1910042	Water type:	G
Source nam:	WELL W6	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335800.0	Longitude:	1180700.0
Precision:	4	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:	1910042	System nam:	PICO RIVERA - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	P.O. Box 1016
City:	Pico Rivera	State:	CA
Zip:	90660	Zip ext:	Not Reported
Pop serv:	36000	Connection:	8945
Area serve:	Not Reported		
Sample date:	31-OCT-17	Finding:	0.384
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	0.146
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	0.505
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	0.322
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	0.384
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	950.

Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	7.25
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-OCT-17	Finding:	240.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	68.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	16.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	72.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	4.8
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	110.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	31-OCT-17	Finding:	0.24
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	31-OCT-17	Finding:	410.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	31-OCT-17	Finding:	0.183
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	0.146
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	31-OCT-17	Finding:	0.505
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	7.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	31-OCT-17	Finding:	530.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	2.8
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	31-OCT-17	Finding:	7.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	11.6
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	3.4e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	0.322
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	31-OCT-17	Finding:	2.5e-002
Chemical:	RADIUM 226	Report units:	PCI/L
Dlr:	1.		
Sample date:	09-NOV-16	Finding:	4.e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	0.128
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	0.399
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	0.47
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	0.2
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	910.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US

Dlr:	0.		
Sample date:	09-NOV-16	Finding:	7.25
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	160.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	200.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-NOV-16	Finding:	250.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	71.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	18.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	69.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	4.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	110.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	09-NOV-16	Finding:	0.28
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	09-NOV-16	Finding:	4.2
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	09-NOV-16	Finding:	630.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-NOV-16	Finding:	0.153
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	09-NOV-16	Finding:	5.2
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	09-NOV-16	Finding:	510.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	09-NOV-16	Finding:	1.6
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	09-NOV-16	Finding:	11.7
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAR-15	Finding:	4.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	05-MAR-15	Finding:	4.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	17-DEC-14	Finding:	3.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	17-DEC-14	Finding:	3.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	29-SEP-14	Finding:	470.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	0.18
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	29-SEP-14	Finding:	3.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	11.8
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	3.5e-002
Chemical:	RADIUM 228	Report units:	PCI/L
Dlr:	1.		
Sample date:	29-SEP-14	Finding:	0.616
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L

Dlr:	0.		
Sample date:	29-SEP-14	Finding:	0.355
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	0.47
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	29-SEP-14	Finding:	780.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	7.44
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	240.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	68.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	17.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	62.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	4.3
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	89.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	29-SEP-14	Finding:	100.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	29-SEP-14	Finding:	0.23
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	29-SEP-14	Finding:	0.188
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	29-SEP-14	Finding:	3.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	04-JUN-14	Finding:	0.447
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	1.6e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	0.172
Chemical:	RA-226 OR TOTAL RA BY 903.0 C.E.	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	0.363
Chemical:	RADIUM, TOTAL, MDA95-NTNC ONLY, BY 903.0		
Report units:	PCI/L	Dlr:	0.
Sample date:	04-JUN-14	Finding:	740.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	7.47
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	240.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	69.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	16.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	58.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	4.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	78.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	100.
Chemical:	SULFATE	Report units:	MG/L

Dlr:	0.5		
Sample date:	04-JUN-14	Finding:	0.28
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	04-JUN-14	Finding:	0.177
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	2.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	04-JUN-14	Finding:	440.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	0.26
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	04-JUN-14	Finding:	2.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	11.9
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-14	Finding:	0.253
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		

25
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000139403**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W28A004S	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:	556
Well Depth Units:	ft	Well Hole Depth:	590
Well Hole Depth Units:	ft		

26
SW
1/2 - 1 Mile
Lower

CA WELLS **2873**

Seq:	2873	Prim sta c:	02S/12W-28A04 S
Frds no:	1910108002	County:	19
District:	07	User id:	4TH

System no:	1910108	Water type:	G
Source nam:	WELL 03-F - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335800.0	Longitude:	1180800.0
Precision:	8	Status:	SR
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:	1910108	System nam:	BELL GARDENS-CITY, WATER DEPT.
Hqname:	PARK WATER CO	Address:	7100 S. GARFIELD AVE.
City:	BELL GARDENS	State:	CA
Zip:	90201	Zip ext:	Not Reported
Pop serv:	12000	Connection:	1451
Area serve:	BELL GARDENS		

27
WNW
1/2 - 1 Mile
Higher

CA WELLS 14248

Seq:	14248	Prim sta c:	1910050-008
Frds no:	1910050008	County:	19
District:	07	User id:	4TH
System no:	1910050	Water type:	G
Source nam:	WELL 07-01 (NEW) - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335836.0	Longitude:	1180806.0
Precision:	2	Status:	IU
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:	1910050	System nam:	COMMERCE-CITY, WATER DEPT.
Hqname:	CALIFORNIA WTR SERV CO	Address:	3316 W. BEVERLY BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	1760	Connection:	883
Area serve:	CITY OF COMMERCE		

Sample date:	12-MAR-18	Finding:	6.3e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		

Sample date:	12-MAR-18	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	06-FEB-18	Finding:	159.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		

Sample date:	06-FEB-18	Finding:	2.998
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	06-FEB-18	Finding:	51.88
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	06-FEB-18	Finding:	53.36

Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JAN-18	Finding:	168.3
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	16-JAN-18	Finding:	3.104
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JAN-18	Finding:	52.14
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JAN-18	Finding:	8.821
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JAN-18	Finding:	55.84
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JAN-18	Finding:	175.757
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	11-DEC-17	Finding:	8.879
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-DEC-17	Finding:	167.1
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-DEC-17	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-DEC-17	Finding:	52.72
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-DEC-17	Finding:	3.168
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-NOV-17	Finding:	164.4
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-NOV-17	Finding:	3.136
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-NOV-17	Finding:	53.59
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-NOV-17	Finding:	9.003
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	07-NOV-17	Finding:	56.6
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-NOV-17	Finding:	178.405
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	03-OCT-17	Finding:	162.9
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	18-SEP-17	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-SEP-17	Finding:	0.17
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	15-AUG-17	Finding:	54.04
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-AUG-17	Finding:	170.686
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	15-AUG-17	Finding:	50.8
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-AUG-17	Finding:	8.681
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	15-AUG-17	Finding:	159.7
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	15-AUG-17	Finding:	2.916
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JUL-17	Finding:	170.1
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-JUL-17	Finding:	3.204
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-JUN-17	Finding:	3.103
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-JUN-17	Finding:	52.87
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-JUN-17	Finding:	9.018
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	06-JUN-17	Finding:	167.1
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-MAY-17	Finding:	52.14
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-17	Finding:	8.882
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-17	Finding:	55.65
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-17	Finding:	3.027
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-17	Finding:	167.3
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-APR-17	Finding:	56.39
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-APR-17	Finding:	8.985
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-APR-17	Finding:	52.4
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-APR-17	Finding:	164.4
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-APR-17	Finding:	3.123
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-MAR-17	Finding:	7.6e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	20-MAR-17	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	07-MAR-17	Finding:	54.72
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-MAR-17	Finding:	8.95
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	07-MAR-17	Finding:	52.45
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-MAR-17	Finding:	3.001
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-MAR-17	Finding:	166.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-FEB-17	Finding:	172.3
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-FEB-17	Finding:	2.977
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-FEB-17	Finding:	51.77
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-FEB-17	Finding:	8.981
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-FEB-17	Finding:	55.32
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	170.4
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-DEC-16	Finding:	164.6
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-DEC-16	Finding:	9.03
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-DEC-16	Finding:	2.926
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-NOV-16	Finding:	9.137
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-NOV-16	Finding:	3.127
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-OCT-16	Finding:	9.234
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-OCT-16	Finding:	3.19
Chemical:	POTASSIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	04-OCT-16	Finding:	166.5
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	26-SEP-16	Finding:	55.88
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-SEP-16	Finding:	3.088
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-SEP-16	Finding:	162.4
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	26-SEP-16	Finding:	6.6e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	26-SEP-16	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	26-SEP-16	Finding:	9.173
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-16	Finding:	56.52
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-16	Finding:	9.218
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-16	Finding:	3.125
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-AUG-16	Finding:	165.8
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	12-JUL-16	Finding:	9.073
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUL-16	Finding:	52.66
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUL-16	Finding:	3.077
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUL-16	Finding:	167.3
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		

Sample date:	20-JUN-16	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-JUN-16	Finding:	0.74
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	20-JUN-16	Finding:	0.36
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	20-JUN-16	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	20-JUN-16	Finding:	2.9
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	20-JUN-16	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-16	Finding:	54.03
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-16	Finding:	3.151
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-16	Finding:	58.64
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JUN-16	Finding:	168.4
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-JUN-16	Finding:	9.37
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	56.11
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	9.057
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	52.62
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	3.02
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAY-16	Finding:	158.
Chemical:	BORON	Report units:	UG/L

Dlr:	100.		
Sample date:	06-APR-16	Finding:	58.61
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-APR-16	Finding:	9.183
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-APR-16	Finding:	3.201
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-APR-16	Finding:	162.1
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-APR-16	Finding:	54.01
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-16	Finding:	5.e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-MAR-16	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-MAR-16	Finding:	167.4
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-MAR-16	Finding:	3.15
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	59.79
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	9.534
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	53.23
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-16	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JAN-16	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-DEC-15	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	09-DEC-15	Finding:	5.3e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	02-DEC-15	Finding:	163.6
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	14-OCT-15	Finding:	167.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	14-SEP-15	Finding:	6.3e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-SEP-15	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-AUG-15	Finding:	16.27
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	21-JUL-15	Finding:	17.41
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-JUL-15	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-JUL-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	340.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	0.33
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	0.13
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	02-JUN-15	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	200.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-JUN-15	Finding:	3.3
Chemical:	ARSENIC	Report units:	UG/L
Dlr:	2.		
Sample date:	02-JUN-15	Finding:	0.28
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L

Dlr:	0.1		
Sample date:	02-JUN-15	Finding:	57.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	3.1
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	54.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	9.1
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	58.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	180.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	150.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	610.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	18.76
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-JUN-15	Finding:	88.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	01-JUN-15	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	01-JUN-15	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-JUN-15	Finding:	6.1e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	18.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	18.91
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-APR-15	Finding:	19.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-APR-15	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-APR-15	Finding:	19.36
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	10-MAR-15	Finding:	0.442
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-MAR-15	Finding:	6.e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	03-MAR-15	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-MAR-15	Finding:	15.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-MAR-15	Finding:	17.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	18.47
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-FEB-15	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	02-FEB-15	Finding:	19.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	20.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	17.84
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-JAN-15	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-DEC-14	Finding:	19.73
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-DEC-14	Finding:	5.4e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	02-DEC-14	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-DEC-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-DEC-14	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	19.27
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-NOV-14	Finding:	21.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	20.73
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-OCT-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	21.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	08-SEP-14	Finding:	5.2e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-SEP-14	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-SEP-14	Finding:	20.27
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-SEP-14	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-AUG-14	Finding:	22.32
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-AUG-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUL-14	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUL-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	20.21
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-JUL-14	Finding:	8.01
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUN-14	Finding:	19.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-JUN-14	Finding:	0.5
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-JUN-14	Finding:	8.08
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	8.08
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	22.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-MAY-14	Finding:	22.34
Chemical:	IRON	Report units:	UG/L

Dlr:	100.		
Sample date:	05-MAY-14	Finding:	7.62
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-MAR-14	Finding:	21.82
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-MAR-14	Finding:	7.64
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-FEB-14	Finding:	22.29
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-FEB-14	Finding:	7.44
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JAN-14	Finding:	22.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-JAN-14	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	05-DEC-13	Finding:	24.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-DEC-13	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-DEC-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-NOV-13	Finding:	29.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-NOV-13	Finding:	200.7
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	04-NOV-13	Finding:	8.06
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	22-OCT-13	Finding:	26.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-OCT-13	Finding:	7.87
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-SEP-13	Finding:	0.82
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	23-SEP-13	Finding:	5.8e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	24.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-SEP-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-AUG-13	Finding:	15.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-AUG-13	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUL-13	Finding:	25.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	01-JUL-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JUN-13	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	10-JUN-13	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	03-JUN-13	Finding:	31.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-JUN-13	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-JUN-13	Finding:	20.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-JUN-13	Finding:	8.4
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	21-MAY-13	Finding:	25.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	21-MAY-13	Finding:	200.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	06-MAY-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-APR-13	Finding:	21.1
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	15-APR-13	Finding:	21.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	10-APR-13	Finding:	208.9
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	10-APR-13	Finding:	27.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	01-APR-13	Finding:	25.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	01-APR-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-APR-13	Finding:	18.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-APR-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-APR-13	Finding:	204.5
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	25-MAR-13	Finding:	24.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	19-MAR-13	Finding:	28.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	19-MAR-13	Finding:	201.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	18-MAR-13	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-MAR-13	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	11-MAR-13	Finding:	24.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-MAR-13	Finding:	201.1
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	04-MAR-13	Finding:	27.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-MAR-13	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-FEB-13	Finding:	23.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	19-FEB-13	Finding:	23.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-FEB-13	Finding:	20.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-FEB-13	Finding:	24.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-FEB-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-JAN-13	Finding:	21.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	22-JAN-13	Finding:	28.1
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	14-JAN-13	Finding:	35.6
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:	07-JAN-13	Finding:	18.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	07-JAN-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JAN-13	Finding:	23.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-JAN-13	Finding:	16.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	26-DEC-12	Finding:	25.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	17-DEC-12	Finding:	23.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	10-DEC-12	Finding:	21.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-DEC-12	Finding:	19.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-DEC-12	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-NOV-12	Finding:	23.3
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	19-NOV-12	Finding:	20.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	13-NOV-12	Finding:	27.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	13-NOV-12	Finding:	205.9
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	05-NOV-12	Finding:	25.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-NOV-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-OCT-12	Finding:	201.1
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	29-OCT-12	Finding:	26.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	22-OCT-12	Finding:	25.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	15-OCT-12	Finding:	204.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	15-OCT-12	Finding:	26.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-OCT-12	Finding:	22.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-OCT-12	Finding:	206.8
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	01-OCT-12	Finding:	26.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-OCT-12	Finding:	202.4
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	01-OCT-12	Finding:	3.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	01-OCT-12	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-OCT-12	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-SEP-12	Finding:	2.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	17-SEP-12	Finding:	2.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	10-SEP-12	Finding:	8.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-SEP-12	Finding:	203.8
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	04-SEP-12	Finding:	7.6
Chemical:	IRON	Report units:	UG/L

Dlr:	100.		
Sample date:	04-SEP-12	Finding:	23.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-SEP-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-SEP-12	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-AUG-12	Finding:	11.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	20-AUG-12	Finding:	200.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	20-AUG-12	Finding:	11.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	20-AUG-12	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-12	Finding:	25.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-AUG-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	22.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	23.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	31-JUL-12	Finding:	28.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	31-JUL-12	Finding:	205.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	23-JUL-12	Finding:	206.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	23-JUL-12	Finding:	27.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	16-JUL-12	Finding:	28.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	16-JUL-12	Finding:	206.9
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	09-JUL-12	Finding:	28.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-JUL-12	Finding:	207.1
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-JUL-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUL-12	Finding:	27.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	25-JUN-12	Finding:	203.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	25-JUN-12	Finding:	33.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	18-JUN-12	Finding:	209.6
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	18-JUN-12	Finding:	24.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	12-JUN-12	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	0.58
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	90.
Chemical:	SULFATE	Report units:	MG/L

Dlr:	0.5		
Sample date:	12-JUN-12	Finding:	0.34
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	12-JUN-12	Finding:	200.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	12-JUN-12	Finding:	59.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	3.
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	54.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	9.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	60.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	640.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	8.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUN-12	Finding:	190.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JUN-12	Finding:	3.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	11-JUN-12	Finding:	4.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-JUN-12	Finding:	206.8
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	04-JUN-12	Finding:	27.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-JUN-12	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-MAY-12	Finding:	27.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-MAY-12	Finding:	24.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-MAY-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-APR-12	Finding:	25.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	23-APR-12	Finding:	23.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	17-APR-12	Finding:	24.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	10-APR-12	Finding:	21.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-APR-12	Finding:	20.7
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-APR-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-MAR-12	Finding:	18.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	12-MAR-12	Finding:	24.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-MAR-12	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-MAR-12	Finding:	30.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-MAR-12	Finding:	202.4
Chemical:	MANGANESE	Report units:	UG/L

Dlr:	20.		
Sample date:	05-MAR-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-FEB-12	Finding:	209.2
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	27-FEB-12	Finding:	32.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	21-FEB-12	Finding:	207.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	21-FEB-12	Finding:	27.3
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	13-FEB-12	Finding:	24.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-FEB-12	Finding:	25.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-FEB-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-JAN-12	Finding:	22.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	23-JAN-12	Finding:	25.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	17-JAN-12	Finding:	28.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-JAN-12	Finding:	25.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-JAN-12	Finding:	25.2
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-JAN-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
28 SE 1/2 - 1 Mile Lower	**CA WELLS**	**2872**

Seq:	2872	Prim sta c:	02S/12W-27R02 S
Frds no:	1910034032	County:	19
District:	07	User id:	4TH
System no:	1910034	Water type:	G
Source nam:	WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	335800.0	Longitude:	1180655.0
Precision:	3	Status:	AR
Comment 1:	ADDRESS: 8040 ALLENGROVE ST., DOWNEY, CA 90241		
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:	1910034	System nam:	DOWNEY - CITY, WATER DEPT.
Hqname:	Not Reported	Address:	9252 Stewart & Gray Road
City:	Downey	State:	CA
Zip:	90241	Zip ext:	Not Reported
Pop serv:	91000	Connection:	23000
Area serve:	DOWNEY		
Sample date:	10-JAN-17	Finding:	1.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	10-JAN-17	Finding:	430.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	1.5
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	10-JAN-17	Finding:	0.34
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	10-JAN-17	Finding:	90.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	10-JAN-17	Finding:	68.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	3.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	10-JAN-17	Finding:	51.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	12.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	63.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	210.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-JAN-17	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	7.2
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	670.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	10-JAN-17	Finding:	3.1
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-AUG-16	Finding:	0.354
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-AUG-16	Finding:	0.636
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	09-MAR-16	Finding:	2.3
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-MAR-16	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-DEC-15	Finding:	1.67
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	17-DEC-15	Finding:	1.52
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L

Dlr:	0.		
Sample date:	18-AUG-15	Finding:	1.41
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-AUG-15	Finding:	1.13
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	1.12
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-MAY-15	Finding:	1.32
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-MAR-15	Finding:	2.08
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-MAR-15	Finding:	1.6
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	3.7
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	48.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	12.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	57.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	190.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	610.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	13-FEB-14	Finding:	53.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	0.27
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	13-FEB-14	Finding:	0.13
Chemical:	FOAMING AGENTS (MBAS)	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	360.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	0.4
Chemical:	LANGELIER INDEX AT SOURCE TEMP.	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-14	Finding:	87.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-FEB-12	Finding:	9.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

29
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000139531**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W22K001S	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:	165
Well Depth Units:	ft	Well Hole Depth:	165
Well Hole Depth Units:	ft		

30
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000139367**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W26E003S	Type:	Well
Description:	LA WATER REPLENISHMENT DIST GPS LAT/LONG		
HUC:	18070106	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:	422
Well Depth Units:	ft	Well Hole Depth:	492
Well Hole Depth Units:	ft		

31
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139329**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W28J006S	Type:	Well
Description:	LA WATER REPLENISHMENT DIST GPS LAT/LONG		
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:	19500301	Well Depth:	686
Well Depth Units:	ft	Well Hole Depth:	686
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1995-09-01
Feet below surface:	70	Feet to sea level:	Not Reported
Note:	Not Reported		

32
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000139521**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W22J002S	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:	648
Well Depth Units:	ft	Well Hole Depth:	660
Well Hole Depth Units:	ft		

D33
NNE
1/2 - 1 Mile
Higher

CA WELLS **2828**

Seq:	2828	Prim sta c:	02S/12W-15J03 S
Frds no:	1910153004	County:	19
District:	07	User id:	4TH
System no:	1910153	Water type:	G
Source nam:	WELL 04 - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180700.0

Precision:	8	Status:	SR
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:	1910153	System nam:	SOUTH MONTEBELLO IRRIGATION DIST.
Hqname:	Not Reported	Address:	804 W. WASHINGTON BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	12500	Connection:	2345
Area serve:	MONTEBELLO		

D34
NNE
1/2 - 1 Mile
Higher

CA WELLS 2849

Seq:	2849	Prim sta c:	02S/12W-22J02 S
Frds no:	1910117004	County:	19
District:	07	User id:	4TH
System no:	1910117	Water type:	G
Source nam:	MONTEBELLO WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180700.0
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:	1910117	System nam:	MONTEBELLO-CITY, WATER DEPT.
Hqname:	Not Reported	Address:	1720 NORTH FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	95112	Zip ext:	Not Reported
Pop serv:	6500	Connection:	1617
Area serve:	MONTEBELLO		
Sample date:	14-DEC-17	Finding:	2.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-APR-17	Finding:	0.146
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-APR-17	Finding:	0.283
Chemical:	RADIUM 228 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-APR-17	Finding:	0.363
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	04-APR-17	Finding:	0.192
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	27-DEC-16	Finding:	2.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	28-JUN-16	Finding:	0.193
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	28-JUN-16	Finding:	4.e-002
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	27-APR-16	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	22-DEC-15	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-AUG-15	Finding:	0.27
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	27-AUG-15	Finding:	8.4e-002
Chemical:	FOAMING AGENTS (MBAS)	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	300.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	0.132
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	2800.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-AUG-15	Finding:	58.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	27-AUG-15	Finding:	53.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	3.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	10.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	42.7
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	150.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	27-AUG-15	Finding:	140.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	7.36
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	530.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	27-AUG-15	Finding:	46.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	24-JUL-15	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	17-SEP-13	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-SEP-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-AUG-13	Finding:	8.117
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	12-AUG-13	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	05-AUG-13	Finding:	8.6
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:	2.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-JUN-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	01-APR-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-13	Finding:	2.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-MAR-13	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-FEB-13	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-FEB-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JAN-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-DEC-12	Finding:	2.4
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:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-OCT-12	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-SEP-12	Finding:	1.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-SEP-12	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	400.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	0.36
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	7.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-AUG-12	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU

Dlr:	0.1		
Sample date:	20-AUG-12	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	0.35
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	20-AUG-12	Finding:	86.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	20-AUG-12	Finding:	55.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	44.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	12.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	63.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	210.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	160.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	130.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	610.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	20-AUG-12	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	20-AUG-12	Finding:	3.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	02-JUL-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-12	Finding:	1.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-JUN-12	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-APR-12	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAR-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAR-12	Finding:	2.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	13-FEB-12	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-FEB-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-JAN-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

D35
NNE
1/2 - 1 Mile
Higher

CA WELLS 2850

Seq:	2850	Prim sta c:	02S/12W-22K01 S
Frds no:	1910117003	County:	19
District:	07	User id:	4TH
System no:	1910117	Water type:	G
Source nam:	HOWMET WELL 01 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180700.0
Precision:	8	Status:	DS
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:	1910117	System nam:	MONTEBELLO-CITY, WATER DEPT.
Hqname:	Not Reported	Address:	1720 NORTH FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	95112	Zip ext:	Not Reported

Pop serv:	6500	Connection:	1617
Area serve:	MONTEBELLO		

E36
NNW
1/2 - 1 Mile
Higher

CA WELLS 2844

Seq:	2844	Prim sta c:	02S/12W-21G02 S
Frds no:	1910050002	County:	19
District:	07	User id:	4TH
System no:	1910050	Water type:	G
Source nam:	WELL 03 - DESTROYED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180800.0
Precision:	4	Status:	DS
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:	1910050	System nam:	COMMERCE-CITY, WATER DEPT.
Hqname:	CALIFORNIA WTR SERV CO	Address:	3316 W. BEVERLY BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	1760	Connection:	883
Area serve:	CITY OF COMMERCE		

E37
NNW
1/2 - 1 Mile
Higher

CA WELLS 2843

Seq:	2843	Prim sta c:	02S/12W-21B05 S
Frds no:	1910050007	County:	19
District:	07	User id:	4TH
System no:	1910050	Water type:	G
Source nam:	WELL 06	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180800.0
Precision:	4	Status:	AU
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:	1910050	System nam:	COMMERCE-CITY, WATER DEPT.
Hqname:	CALIFORNIA WTR SERV CO	Address:	3316 W. BEVERLY BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	1760	Connection:	883
Area serve:	CITY OF COMMERCE		

Sample date:	24-FEB-16	Finding:	1.6
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	24-FEB-16	Finding:	1.3
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		

Sample date:	24-FEB-16	Finding:	0.93

Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	0.44
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	0.25
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	3.6
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	24-FEB-16	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-FEB-16	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	27-JAN-15	Finding:	7.45
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-15	Finding:	0.79
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-DEC-14	Finding:	1.1
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	10-NOV-14	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	10-NOV-14	Finding:	1.26
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-APR-14	Finding:	5.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-APR-14	Finding:	0.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-FEB-14	Finding:	0.69
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-FEB-14	Finding:	6.09
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-OCT-13	Finding:	0.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	28-OCT-13	Finding:	5.73
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-13	Finding:	6.46
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-JUL-13	Finding:	0.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	24-APR-13	Finding:	4.58
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	3.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	0.58
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-DEC-12	Finding:	200.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-NOV-12	Finding:	3.95
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-NOV-12	Finding:	0.57
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-12	Finding:	3.38
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-12	Finding:	220.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	17-APR-12	Finding:	4.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-APR-12	Finding:	720.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	17-APR-12	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-APR-12	Finding:	160.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	200.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L

Dlr:	0.		
Sample date:	17-APR-12	Finding:	220.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	0.52
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-APR-12	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-APR-12	Finding:	3.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-APR-12	Finding:	68.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-APR-12	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	60.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	3.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	62.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	97.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	17-APR-12	Finding:	0.39
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	17-APR-12	Finding:	440.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	17-APR-12	Finding:	0.58
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-JAN-12	Finding:	0.74
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	23-JAN-12	Finding:	4.16
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

E38
NNW
1/2 - 1 Mile
Higher

CA WELLS 2831

Seq:	2831	Prim sta c:	02S/12W-16Q01 S
Frds no:	1910036022	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 38-01 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180800.0
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		

E39
NNW
1/2 - 1 Mile
Higher

CA WELLS 2847

Seq:	2847	Prim sta c:	02S/12W-21K02 S
Frds no:	1910050003	County:	19
District:	07	User id:	4TH
System no:	1910050	Water type:	G
Source nam:	WELL 03D	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180800.0
Precision:	4	Status:	AU
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:	1910050	System nam:	COMMERCE-CITY, WATER DEPT.
Hqname:	CALIFORNIA WTR SERV CO	Address:	3316 W. BEVERLY BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	1760	Connection:	883
Area serve:	CITY OF COMMERCE		

E40
NNW
1/2 - 1 Mile
Higher

CA WELLS 2846

Seq:	2846	Prim sta c:	02S/12W-21J01 S
Frds no:	1910050004	County:	19

District:	07	User id:	4TH
System no:	1910050	Water type:	G
Source nam:	WELL 03E	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180800.0
Precision:	4	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:	1910050	System nam:	COMMERCE-CITY, WATER DEPT.
Hqname:	CALIFORNIA WTR SERV CO	Address:	3316 W. BEVERLY BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	1760	Connection:	883
Area serve:	CITY OF COMMERCE		

E41
NNW
1/2 - 1 Mile
Higher

CA WELLS 2845

Seq:	2845	Prim sta c:	02S/12W-21G03 S
Frds no:	1910050005	County:	19
District:	07	User id:	4TH
System no:	1910050	Water type:	G
Source nam:	WELL 04	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	335900.0	Longitude:	1180800.0
Precision:	4	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:	1910050	System nam:	COMMERCE-CITY, WATER DEPT.
Hqname:	CALIFORNIA WTR SERV CO	Address:	3316 W. BEVERLY BLVD.
City:	MONTEBELLO	State:	CA
Zip:	90640	Zip ext:	Not Reported
Pop serv:	1760	Connection:	883
Area serve:	CITY OF COMMERCE		

Sample date:	12-MAR-18	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	06-MAR-18	Finding:	4.12
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-MAR-18	Finding:	0.88
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-MAR-18	Finding:	16.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-FEB-18	Finding:	17.21
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-FEB-18	Finding:	0.78
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-18	Finding:	3.86
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-18	Finding:	1.681
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-JAN-18	Finding:	3.34
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-18	Finding:	0.74
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-18	Finding:	17.95
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-DEC-17	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	05-DEC-17	Finding:	0.71
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-17	Finding:	17.64
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-17	Finding:	2.97
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-NOV-17	Finding:	1.732
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-NOV-17	Finding:	17.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	2.97
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	0.69
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	0.86
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	20.09
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	3.07
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-SEP-17	Finding:	0.35
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-SEP-17	Finding:	2.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	12-SEP-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-SEP-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-SEP-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-SEP-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-SEP-17	Finding:	17.47
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	0.58
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	1.2
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	07-SEP-17	Finding:	2.35
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-SEP-17	Finding:	2.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-SEP-17	Finding:	0.77
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	01-SEP-17	Finding:	3.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-SEP-17	Finding:	0.68
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	01-SEP-17	Finding:	21.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-MAY-17	Finding:	1.749
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-MAY-17	Finding:	2.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-MAY-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-MAY-17	Finding:	2.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-MAY-17	Finding:	2.04
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAY-17	Finding:	12.22
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAY-17	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-MAY-17	Finding:	2.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	26-APR-17	Finding:	13.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-APR-17	Finding:	2.5
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-17	Finding:	1.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-17	Finding:	0.63
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-17	Finding:	12.05
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-MAR-17	Finding:	0.11
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	20-MAR-17	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	08-MAR-17	Finding:	1.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-17	Finding:	13.83
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-17	Finding:	0.59
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-FEB-17	Finding:	0.66
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-FEB-17	Finding:	2.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-FEB-17	Finding:	17.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-17	Finding:	0.935
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-JAN-17	Finding:	20.39
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	1.94
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	7.02
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-DEC-16	Finding:	11.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-DEC-16	Finding:	2.71
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-DEC-16	Finding:	5.2
Chemical:	METHYL ETHYL KETONE	Report units:	UG/L
Dlr:	5.		
Sample date:	06-DEC-16	Finding:	28.06
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	2.271
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	08-NOV-16	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	08-NOV-16	Finding:	14.22
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	3.83
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	37.67
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-OCT-16	Finding:	13.21
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-OCT-16	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	05-OCT-16	Finding:	3.64
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-OCT-16	Finding:	35.86
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-SEP-16	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	07-SEP-16	Finding:	4.39
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	07-SEP-16	Finding:	34.21
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	14.62
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-AUG-16	Finding:	10.51
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-AUG-16	Finding:	2.93
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-AUG-16	Finding:	24.72
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	01-AUG-16	Finding:	2.037
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-JUL-16	Finding:	9.52
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUL-16	Finding:	29.86
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUL-16	Finding:	2.63
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	10.47
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	38.86
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	2.68
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	2.65
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	10.76
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	40.81
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAY-16	Finding:	1.682
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-APR-16	Finding:	10.08
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-16	Finding:	2.51
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-16	Finding:	33.54
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-MAR-16	Finding:	0.43
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	14-MAR-16	Finding:	8.2e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	3.24
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	12.53
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	28.54
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	1.544
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-16	Finding:	3.25
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	14.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	13.72
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-16	Finding:	3.43
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-16	Finding:	13.35
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-16	Finding:	14.81
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-DEC-15	Finding:	8.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-DEC-15	Finding:	2.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-DEC-15	Finding:	2.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-DEC-15	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-DEC-15	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	21-DEC-15	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	18-DEC-15	Finding:	3.
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-15	Finding:	6.5
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-15	Finding:	4.2
Chemical:	BROMOFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-15	Finding:	4.6
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	18-DEC-15	Finding:	18.
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	14-DEC-15	Finding:	0.58
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	14-DEC-15	Finding:	6.3
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-DEC-15	Finding:	24.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-DEC-15	Finding:	32.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-15	Finding:	6.2e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-DEC-15	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-DEC-15	Finding:	3.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-15	Finding:	15.37
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-15	Finding:	12.43
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	03-NOV-15	Finding:	1.769
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-NOV-15	Finding:	3.31
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-NOV-15	Finding:	13.18
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-NOV-15	Finding:	10.07
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-OCT-15	Finding:	3.13
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-OCT-15	Finding:	9.88
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-OCT-15	Finding:	13.97
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-SEP-15	Finding:	6.6e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	14-SEP-15	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-SEP-15	Finding:	10.87
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-SEP-15	Finding:	3.02
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-SEP-15	Finding:	14.31
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-15	Finding:	13.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-15	Finding:	11.24
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-15	Finding:	2.92
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-AUG-15	Finding:	8.317
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

Dlr:	2.		
Sample date:	08-JUL-15	Finding:	13.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-JUL-15	Finding:	2.86
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-JUL-15	Finding:	11.02
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUL-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JUL-15	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-JUN-15	Finding:	2.77
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-15	Finding:	11.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-15	Finding:	14.47
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUN-15	Finding:	7.6e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-JUN-15	Finding:	7.1
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:	12-MAY-15	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	7.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	12-MAY-15	Finding:	0.28
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	390.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	65.
Chemical:	ZINC	Report units:	UG/L
Dlr:	50.		
Sample date:	12-MAY-15	Finding:	0.27
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	12-MAY-15	Finding:	85.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	12-MAY-15	Finding:	57.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	3.1
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	57.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	11.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	61.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	200.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-15	Finding:	610.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	11-MAY-15	Finding:	18.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAY-15	Finding:	12.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	11-MAY-15	Finding:	2.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-MAY-15	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	20.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-APR-15	Finding:	15.29
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-15	Finding:	10.28
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-15	Finding:	23.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-APR-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-APR-15	Finding:	2.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-MAR-15	Finding:	0.443
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-MAR-15	Finding:	8.7e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	2.36
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	9.19
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	19.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	15.22
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	04-FEB-15	Finding:	16.16
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-15	Finding:	2.63
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-15	Finding:	11.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-15	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	14.89
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-15	Finding:	2.29
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-15	Finding:	11.59
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-15	Finding:	8.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	21.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-DEC-14	Finding:	0.47
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-DEC-14	Finding:	13.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-14	Finding:	2.69
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-14	Finding:	17.47
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-14	Finding:	21.8
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:	14-NOV-14	Finding:	21.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	14-NOV-14	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-NOV-14	Finding:	4.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-NOV-14	Finding:	34.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-NOV-14	Finding:	0.71
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	14-NOV-14	Finding:	23.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	19.45
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	3.12
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	15.3
Chemical:	TETRACHLOROETHYLENE	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:	03-NOV-14	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	25.7
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:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	23.69
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-OCT-14	Finding:	4.03
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-14	Finding:	20.73
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-14	Finding:	22.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-SEP-14	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-SEP-14	Finding:	5.5e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	03-SEP-14	Finding:	22.01
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-14	Finding:	26.92
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-14	Finding:	3.66
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-14	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	02-SEP-14	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-AUG-14	Finding:	0.78
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	12-AUG-14	Finding:	25.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	3.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	17.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-14	Finding:	8.895
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-AUG-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	22-JUL-14	Finding:	30.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-14	Finding:	3.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-14	Finding:	18.24
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	22-JUL-14	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	18-JUL-14	Finding:	21.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JUL-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	8.05
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUN-14	Finding:	7.1e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-JUN-14	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-JUN-14	Finding:	3.32
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	22.17
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	7.79
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	16.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAY-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	12-MAY-14	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-14	Finding:	0.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	06-MAY-14	Finding:	8.18
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-MAY-14	Finding:	22.06
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAY-14	Finding:	3.88
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAY-14	Finding:	17.4
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	7.43
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-APR-14	Finding:	0.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	01-APR-14	Finding:	20.25
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	18.82
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	3.15
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-MAR-14	Finding:	7.97
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-MAR-14	Finding:	3.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	04-MAR-14	Finding:	28.71
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-MAR-14	Finding:	3.73
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	04-MAR-14	Finding:	32.42
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-MAR-14	Finding:	1.99
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	20-FEB-14	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-FEB-14	Finding:	8.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-FEB-14	Finding:	1.3
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	20-FEB-14	Finding:	32.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-FEB-14	Finding:	3.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-FEB-14	Finding:	28.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-FEB-14	Finding:	1.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	10-FEB-14	Finding:	8.196
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-FEB-14	Finding:	7.33
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-FEB-14	Finding:	0.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	03-FEB-14	Finding:	15.38
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-14	Finding:	2.41
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-14	Finding:	20.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	07-JAN-14	Finding:	0.9
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	07-JAN-14	Finding:	14.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-14	Finding:	2.08
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-14	Finding:	24.43
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JAN-14	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-DEC-13	Finding:	6.6e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	09-DEC-13	Finding:	0.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	09-DEC-13	Finding:	14.59
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-13	Finding:	2.08
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-13	Finding:	28.53
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-DEC-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-NOV-13	Finding:	34.81
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-NOV-13	Finding:	2.25
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-NOV-13	Finding:	0.8
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	12-NOV-13	Finding:	14.71
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	06-NOV-13	Finding:	8.515
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-NOV-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-OCT-13	Finding:	7.71
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-OCT-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	01-OCT-13	Finding:	12.09
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-13	Finding:	1.93
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-13	Finding:	25.67
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-SEP-13	Finding:	6.3e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	23-SEP-13	Finding:	0.44
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-SEP-13	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	1.92
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-SEP-13	Finding:	21.88
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-SEP-13	Finding:	12.04
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-13	Finding:	7.698
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	06-AUG-13	Finding:	16.04
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-13	Finding:	1.64
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-13	Finding:	10.67
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-13	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	05-AUG-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-JUL-13	Finding:	14.48
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-13	Finding:	1.68
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-13	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	15-JUL-13	Finding:	10.19
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-JUN-13	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	11-JUN-13	Finding:	9.19
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-JUN-13	Finding:	1.66
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-JUN-13	Finding:	12.09
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JUN-13	Finding:	5.4e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JUN-13	Finding:	0.51
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	03-JUN-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	9.98
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAY-13	Finding:	0.38
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	2.8
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	0.84
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	07-MAY-13	Finding:	8.74
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAY-13	Finding:	1.54
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAY-13	Finding:	20.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-MAY-13	Finding:	20.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-MAY-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-13	Finding:	7.204
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-MAY-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-APR-13	Finding:	10.02
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	10-APR-13	Finding:	6.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-APR-13	Finding:	1.46
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	8.e-002
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	0.49
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	12-MAR-13	Finding:	5.75
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-13	Finding:	1.19
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-13	Finding:	10.25
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-MAR-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-FEB-13	Finding:	6.203
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-FEB-13	Finding:	1.18
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-13	Finding:	9.84
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-FEB-13	Finding:	4.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	11.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	7.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L

Dlr:	0.		
Sample date:	31-JAN-13	Finding:	1.9
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	21.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-13	Finding:	6.8
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	07-JAN-13	Finding:	4.31
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-13	Finding:	1.06
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-13	Finding:	9.13
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-DEC-12	Finding:	190.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-DEC-12	Finding:	1.02
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-DEC-12	Finding:	9.89
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-DEC-12	Finding:	4.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-DEC-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-NOV-12	Finding:	4.26
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-NOV-12	Finding:	0.91
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-NOV-12	Finding:	8.77
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-NOV-12	Finding:	7.11
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-NOV-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-OCT-12	Finding:	7.07
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-12	Finding:	3.22
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-12	Finding:	0.72
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-SEP-12	Finding:	3.16
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-SEP-12	Finding:	5.02
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-SEP-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	3.73
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-12	Finding:	2.05
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-12	Finding:	7.047
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-AUG-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	22.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-JUL-12	Finding:	210.
Chemical:	BORON	Report units:	UG/L

Dlr:	100.		
Sample date:	11-JUL-12	Finding:	2.09
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-JUL-12	Finding:	3.71
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUL-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-12	Finding:	1.79
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-12	Finding:	3.05
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-MAY-12	Finding:	6.385
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	09-MAY-12	Finding:	0.49
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	6.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	09-MAY-12	Finding:	380.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	0.34
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	09-MAY-12	Finding:	91.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	09-MAY-12	Finding:	60.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	2.9
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	09-MAY-12	Finding:	57.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	11.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	58.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	660.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	150.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	180.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-12	Finding:	190.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	07-MAY-12	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-12	Finding:	1.68
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAY-12	Finding:	2.89
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-12	Finding:	1.39
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-12	Finding:	2.63
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAR-12	Finding:	1.43
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAR-12	Finding:	2.77
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	05-MAR-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-FEB-12	Finding:	1.55
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-12	Finding:	6.301
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-FEB-12	Finding:	2.93
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JAN-12	Finding:	1.54
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JAN-12	Finding:	2.98
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

42
NW
1/2 - 1 Mile
Higher

FED USGS **USGS40000139522**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W21J001S	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:	524
Well Depth Units:	ft	Well Hole Depth:	524
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
North **OIL_GAS** **CAOG13000005433**
1/8 - 1/4 Mile

API #:	0403705730	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Oak Ridge Oil Co.	Lease Name:	Rossi
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

2
NNW **OIL_GAS** **CAOG13000005432**
1/4 - 1/2 Mile

API #:	0403705729	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Oak Ridge Oil Co.	Lease Name:	Ogden
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

3
ESE **OIL_GAS** **CAOG13000005218**
1/4 - 1/2 Mile

API #:	0403705421	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	George F. Getty, Inc.	Lease Name:	Kellam
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

4
NE **OIL_GAS** **CAOG13000005251**
1/4 - 1/2 Mile

API #:	0403705471	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Hathaway Company	Lease Name:	Rossi
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

5
WNW
1/4 - 1/2 Mile

OIL_GAS **CAOG13000005431**

API #:	0403705728	Well #:	K-B1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Oak Ridge Oil Co.	Lease Name:	Lease by Oak Ridge Oil Co.
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

6
NNW
1/2 - 1 Mile

OIL_GAS **CAOG13000005429**

API #:	0403705726	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Oak Ridge Oil Co.	Lease Name:	Couts Community
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

7
West
1/2 - 1 Mile

OIL_GAS **CAOG13000005430**

API #:	0403705727	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Oak Ridge Oil Co.	Lease Name:	Gage
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

8
East
1/2 - 1 Mile

OIL_GAS **CAOG13000005219**

API #:	0403705422	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	George F. Getty, Inc.	Lease Name:	Marland
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

9
WNW
1/2 - 1 Mile

OIL_GAS **CAOG13000005179**

API #:	0403705356	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Patrick A. Doheny	Lease Name:	East Los Angeles Community
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90040	1	0

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.

STATE RECORDS

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
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

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

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Detailed Facility Report

Facility Summary

CITY OF COMMERCE VETERANS PARK
6364 ZINDELL AVE, COMMERCE, CA 90040

FRS (Facility Registry Service) ID: 110070472012
EPA Region: 09
Latitude:
Longitude:
Locational Data Source:
Industry:
Indian Country: N

Enforcement and Compliance Summary

Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs with NC (Noncompliance) (of 12)	Qtrs with Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
RCRA	--	--	**No Violation Identified**	0	0	--	--	--	--	--

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Active (CAL000331671)
Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Known Data Problems

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110070472012					N		
RCRAInfo	RCRA	CAL000331671	Transporter	Active (H)			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110070472012	CITY OF COMMERCE VETERANS PARK	6364 ZINDELL AVE, COMMERCE, CA 90040
RCRAInfo	RCRA	CAL000331671	CITY OF COMMERCE VETERANS PARK	6364 ZINDELL AVE, COMMERCE, CA 90040-3831

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	CAL000331671	92119	Other General Government Support

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in italics are not counted in EPA compliance monitoring strategies or annual results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	CAL000331671	No	09/29/2019	0	09/28/2019

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: CAL000331671)		10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17	10/01-12/31/17	01/01-03/31/18	04/01-06/30/18	07/01-09/30/18	10/01-12/31/18	01/01-03/31/19	04/01-06/30/19	07/01-09/30/19
	Facility-Level Status	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**	**No Violation Identified**

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Formal Enforcement Actions (5 Years)

Statute	System	Law/Section	Source ID	Action Type	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
No data records returned														

Environmental Conditions

Water Quality

Permit ID	Combined Sewer System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned									

Water Body Designated Uses

Reach Code	Water Body Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
No data records returned							

Air Quality

Nonattainment Area?	Pollutant(s)	Applicable Nonattainment Standard(s)
No	Ozone	
No	Lead	
No	Particulate Matter	
No	Carbon Monoxide	
No	Nitrogen Dioxide	
No	Sulfur Dioxide	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name
No data records returned

Demographic Profile

EJSCREEN EJ Indexes

Eleven primary environmental justice (EJ) indexes of EJSCREEN, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJSCREEN provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJSCREEN home page.

No Valid Spatial Coordinate is available for this facility

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Please Wait. Loading...

CITY OF COMMERCE VETERANS PARK
6364 ZINDELL AVE
COMMERCE, CA 90040 - 3831

Inquiry Number:
October 4, 2019

EDR Site Report™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Section 2: Facility Detail Reports . . . . . Page 4

All available detailed information from databases where sites are identified.

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Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **CITY OF COMMERCE VETERANS PARK** 6364 ZINDELL AVE COMMERCE, CA 90040 - 3831 EDR ID #S113152327
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility is a FUSRAP Site	NO
Facility is a UXO Site	NO
Facility is a FUELS Site	NO
Facility is an DockHWC/ECHO Site	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility is a Record of Decision Site (ROD)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	**YES - p4**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
Facility is named in a CERCLA-related Consent Decree	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

MULTIMEDIA

Facility is listed in other database records

DATABASE: Other Database Records (OTHER)

CITY OF COMMERCE VETERANS PARK
6364 ZINDELL AVE
COMMERCE, CA 90040 - 3831
EDR ID #S113152327

HAZNET:

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2017
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Tons:	28.75
CA Waste Code:	151-Asbestos containing waste
Method:	H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County:	Los Angeles

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2017
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	1.848
CA Waste Code:	135-Unspecified aqueous solution
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2017
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Tons:	0.375
CA Waste Code:	181-Other inorganic solid waste
Method:	H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

Name:	CITY OF COMMERCE VETERANS PARK
Address:	6364 ZINDELL AVE
City,State,Zip:	COMMERCE, CA 900403831
Year:	2015
GEPAID:	CAL000331671
Contact:	GINA NILA
Telephone:	3237224805
Mailing Name:	Not reported
Mailing Address:	2535 COMMERCE WAY
Mailing City,St,Zip:	COMMERCE, CA 90040
Gen County:	Los Angeles
TSD EPA ID:	NVT330010000

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

TSD County: 99
Tons: 0.6
CA Waste Code: 181-Other inorganic solid waste
Method: H132-Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Facility County: Los Angeles

Name: CITY OF COMMERCE VETERANS PARK
Address: 6364 ZINDELL AVE
City,State,Zip: COMMERCE, CA 900403831
Year: 2009
GEPAID: CAL000331671
Contact: Gina Nila
Telephone: 3237224805
Mailing Name: Not reported
Mailing Address: 2535 COMMERCE WAY
Mailing City,St,Zip: COMMERCE, CA 90040
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.041
CA Waste Code: 181-Other inorganic solid waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: CITY OF COMMERCE VETERANS PARK
Address: 6364 ZINDELL AVE
City,State,Zip: COMMERCE, CA 900403831
Year: 2008
GEPAID: CAL000331671
Contact: Gina Nila
Telephone: 3237224805
Mailing Name: Not reported
Mailing Address: 2535 COMMERCE WAY
Mailing City,St,Zip: COMMERCE, CA 90040
Gen County: Los Angeles
TSD EPA ID: CAD088504881
TSD County: Orange
Tons: 0.75
CA Waste Code: 181-Other inorganic solid waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Name: CITY OF COMMERCE VETERANS PARK
Address: 6364 ZINDELL AVE
City,State,Zip: COMMERCE, CA 900403831
Year: 2008
GEPAID: CAL000331671
Contact: Gina Nila
Telephone: 3237224805
Mailing Name: Not reported
Mailing Address: 2535 COMMERCE WAY
Mailing City,St,Zip: COMMERCE, CA 90040
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Tons: 0.2875
CA Waste Code: 181-Other inorganic solid waste
Method: H141-Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

CA HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
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: 12/31/2017
Database Release Frequency: Annually

Date of Last EDR Contact: 07/12/2019
Date of Next Scheduled Update: 10/21/2019

SALVAGE CORP
7100 EAST GAGE AVENUE
BELL GARDENS, CA

Inquiry Number:
October 14, 2019

EDR Site Report™

6 Armstrong Road, 4th floor
Shelton, CT 06484
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Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **SALVAGE CORP** 7100 EAST GAGE AVENUE BELL GARDENS, CA EDR ID #S111076078
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility is a FUSRAP Site	NO
Facility is a UXO Site	NO
Facility is a FUELS Site	NO
Facility is an DockHWC/ECHO Site	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility is a Record of Decision Site (ROD)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	**YES - p4**
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
Facility is named in a CERCLA-related Consent Decree	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE DISPOSAL

Facility has disposed of solid waste on-site

DATABASE: Permitted Solid Waste Facilities (SWF/LF)

SALVAGE CORP
7100 EAST GAGE AVENUE
BELL GARDENS, CA
EDR ID #S111076078

LOS ANGELES CO. LF:

Name:	SALVAGE CORP
Address:	7100 EAST GAGE AVENUE
City,State,Zip:	BELL GARDENS, CA
Site ID:	2223
Alt. Address:	6370 Greenwood Avenue, Commerce, CA; 6361 Zindell Avenue, Commerce, CA
Site Contact:	Not reported
Site Contact Phone:	Not reported
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Municipal Solid Waste Landfill
Site SWIS Number:	19-AA-5339; 19-AA-5551; 19-AA-5552
Beginning Operation Date:	1942
Ending Operation Date:	1954
Local Enforcement Agency:	Not reported
Maximun Depth Fill(Ft):	50
Permitted Capacity:	Not reported
Present Use:	Residential
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Hazardous Waste; Inert
Hours of Operation:	Not reported
Disposal Area (Acre):	10

Detail As Of 01/2014:

Operator Name:	Salvage Corporation
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Fletcher Johnes
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Multiple Owners (See Notes)
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

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Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

CA LF: Solid Waste Information System
Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
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: 08/12/2019
Database Release Frequency: Quarterly
Date of Last EDR Contact: 08/13/2019
Date of Next Scheduled Update: 11/25/2019

CA LF LOS ANGELES: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2019
Database Release Frequency: Varies
Date of Last EDR Contact: 07/17/2019
Date of Next Scheduled Update: 10/28/2019

LA BY-PRODUCTS - SLAUSON AVENUE
7140 SLAUSON AVENUE
BELL GARDENS, CA

Inquiry Number:
October 14, 2019

EDR Site Report™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
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SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 **LA BY-PRODUCTS - SLAUSON AVENUE PIT** 7140 SLAUSON AVENUE BELL GARDENS, CA EDR ID #S111075970
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility is a FUSRAP Site	NO
Facility is a UXO Site	NO
Facility is a FUELS Site	NO
Facility is an DockHWC/ECHO Site	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility is a Record of Decision Site (ROD)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	**YES - p4**
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	**YES - p5**
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
Facility is named in a CERCLA-related Consent Decree	NO
TOTAL (YES)	2

SECTION 2: FACILITY DETAIL REPORTS

WASTE DISPOSAL

Facility has disposed of solid waste on-site

DATABASE: Permitted Solid Waste Facilities (SWF/LF)

LA BY-PRODUCTS - SLAUSON AVENUE PIT
7140 SLAUSON AVENUE
BELL GARDENS, CA
EDR ID #S111075970

LOS ANGELES CO. LF:

Name:	LA BY-PRODUCTS - SLAUSON AVENUE PIT
Address:	7140 SLAUSON AVENUE
City,State,Zip:	BELL GARDENS, CA
Site ID:	1973
Alt. Address:	7136 East Slauson Avenue, Bel Gardens, CA 90040
Site Contact:	Not reported
Site Contact Phone:	Not reported
Site Email:	Not reported
Site Website:	Not reported
Site Type:	Municipal Solid Waste Landfill
Site SWIS Number:	19-AA-5114
Beginning Operation Date:	Not reported
Ending Operation Date:	Dec-68
Local Enforcement Agency:	County Public Health
Maximun Depth Fill(Ft):	35
Permitted Capacity:	Not reported
Present Use:	Commercial
Remaining Capacity(Million):	Not reported
Status:	Closed
Waste Accepted:	Asbestos;Inert;
Hours of Operation:	Not reported
Disposal Area (Acre):	5.29999999

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Louis Kraft
Owner Address:	11841 Riverside Drive
Owner City/State/Zip:	Valley Village, CA 91607
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported

MULTIMEDIA

Facility is listed in other database records

DATABASE: Other Database Records (OTHER)

LA BY-PRODUCTS - SLAUSON AVENUE PIT
7140 SLAUSON AVENUE
BELL GARDENS, CA
EDR ID #S111075970

LOS ANGELES CO LF METHANE:

Name:	LA BY-PRODUCTS - SLAUSON AVENUE PIT
Address:	7140 SLAUSON AVENUE
City,State,Zip:	BELL GARDENS, CA
Site Number:	1973
Status:	Closed
Description:	Municipal Solid Waste Landfill
Operator Name:	Unknown
Operator Telephone:	Not reported

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

CA LF: Solid Waste Information System
Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
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: 08/12/2019
Database Release Frequency: Quarterly
Date of Last EDR Contact: 08/13/2019
Date of Next Scheduled Update: 11/25/2019

CA LF LOS ANGELES: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/15/2019
Database Release Frequency: Varies
Date of Last EDR Contact: 07/17/2019
Date of Next Scheduled Update: 10/28/2019

CA LOS ANGELES CO LF METHANE: Methane Producing Landfills
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
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: 04/30/2012
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/19/2019
Date of Next Scheduled Update: 10/28/2019

Appendix G

Resumes of Project Personnel

J. JUSTIN RAUZON, REPA



Justin Rauzon, REPA

Education

MEM – Environmental Management, Duke University, 2014
BS – Zoology (Double Emphasis: Human and Marine Biology), Brigham Young University, 2004

Professional Licenses

Registered Environmental Property Assessor (REPA), National Registry of Environmental Professionals (No. 485639)

Specialty Certifications

OSHA 40-Hour Health and Safety Training for Hazardous Waste Workers
8-Hour Annual Refresher Training for Hazardous Waste Site Activities
OSHA 16-Hour Initial Asbestos Operations and Maintenance Training
Thermo Scientific Niton XRF Analyzer Operator's Training
First-Aid and CPR Training

Professional Affiliations

National Ground Water Association, Member (2015 to Present)

Professional Experience

Mr. Rauzon has more than 13 years of environmental services experience, all with SCS. Fluent in Spanish, Mr. Rauzon is an SCS Project Manager with a diverse background in biological and environmental sciences, and regularly performs environmental assessments and compliance audits at sites in the U.S. and in Latin America. He has technical and management experience with soil, soil vapor, and groundwater investigations at industrial, commercial, landfill, greenfield, and residential properties. He has extensive experience with environmental laws and regulations in both the U.S. and Mexico. His work experience includes all project phases, from development of cost estimates for various site assessment and cleanup programs to implementing remediation programs and interfacing with regulatory agencies.

Selected projects in which he has participated are described below.

Environmental Management

Due diligence assessments of properties prior to real estate transfer of properties in California, Arizona, New Jersey, Mexico, Puerto Rico, and the Dominican Republic. Mr. Rauzon has completed numerous due diligence assessments of properties prior to acquisition, disposition, or loan financing by investment banks, insurance companies, corporations, non-profit entities, real estate developers, and private parties. Projects have included Phase I assessments that meet federal All Appropriate Investigation (AAI) regulations, American Society for Testing and Materials

(ASTM) standards, and client-specific guidelines; inspections for asbestos and lead-based paint; Phase II investigations; preparation of abatement and remediation cost estimates; and regulatory agency coordination. These projects frequently involve review of previous environmental reports and investigation of current and past on-site operations, regulatory agency records searches, evaluation of historical property use information, identification of nearby potentially contaminated sites, and development of appropriate conclusions about environmental risks. Investigations involve preparation of work plans, soil boring and subsequent sampling, groundwater well installation and sampling, soil gas probe installation and sampling, precision mapping, evaluation of contaminants in accordance with regulatory requirements or generally accepted guidelines, preparation of investigation report, and analysis of applicable remedial alternatives. Mr. Rauzon has served as the Project Manager for sites that have received regulatory closure from various regulatory agencies.

Planning, coordinating, and supervising remedial actions that included excavation, transport, and disposal of contaminated soils and water. Investigations involve preparation of Remedial Action Plans (RAPs), direction of fieldwork, oversight of confirmatory sampling, and interfacing with regulatory agencies.

The characterization of hazardous waste materials. These projects include collection of soil and/or liquid samples to profile the waste materials, interpretation of laboratory results, and evaluation of disposal/recycling options to minimize the costs and liabilities to clients associated with the removal of wastes.

Assessment and certification of hazardous waste tank systems. These investigations involve working with a Professional Engineer to complete field inspections of hazardous waste tanks, associated ancillary equipment, leak-detection systems, and secondary containment devices, as well as interfacing with regulatory agencies.

Project Management

Project Manager for due diligence investigation of a portfolio with more than 300 industrial sites throughout Mexico. SCS services included conducting Phase I and Phase II environmental assessments within the strict timeline of the $1.2 billion industrial real estate transaction. Subsequent to the closing of the deal, SCS provided ongoing consulting services to facilitate integration and management of various facilities with ongoing environmental issues.

Project Manager for hazardous materials consulting services in support of the State Route 91 Corridor Improvement Project in Orange and Riverside Counties, CA. SCS services included sampling and inventory of potentially hazardous materials associated with more than 25 bridges along the SR-91 and I-15 freeways; environmental assessments on properties within the proposed freeway expansion area; and soil testing for herbicides, pesticides, and fungicides on several land parcels.

Project Manager for investigation and remediation of industrial facility located in Fontana, CA. SCS conducted a series of environmental assessments, investigations, and remedial activities that provided sufficient information to identify environmental issues and business risks, and facilitate the client's successful purchase of property. A number of recognized environmental conditions, including releases of coal tar, solvents, heavy metals, and total petroleum hydrocarbons, were identified. Project activities conducted during the acquisition and redevelopment of the property included shallow and deep soil and soil vapor investigations; installation of groundwater monitoring wells and subsequent groundwater sampling; subsequent remedial excavation under San Bernardino County Fire Department (SBCFD) oversight to obtain closure; and excavation and off-site disposition of contaminated soil.

Health and Safety

Mr. Rauzon has participated in a certified health and safety program in compliance with OSHA Standard 29 CFR 1910.120. He is knowledgeable in incident response operations, team functions, personnel safety, and field equipment. He is able to recognize and evaluate potential chemical and physical hazards and associated risks in field operations; discuss and use personal protective equipment (PPE), such as respiratory protection and protective clothing; use and interpret direct-reading instruments; and examine and establish Standard Operating Safety Guidelines to ensure safe and effective response operations.

Publications

Rauzon, J. J., "Mexico: Environmental Due Diligence and the Mexican Waste Law," EHS Journal, November 13, 2010.

RAYMOND H. HUFF, REPA

Education

BA – Philosophy (Minor in Geology), Whittier College, 1991
MBA – Information Systems Emphasis, Keller Graduate School of Management, 1999

Professional Licenses

Accredited Lead Verifier under California Air Resources Board (CARB) with Transactions, Oil and Gas Systems, and Process Emissions Specializations
Registered Environmental Property Assessor (REPA) (No. 106984), National Registry of Environmental Professionals

Specialty Certifications

40-Hour OSHA Hazardous Waste Site Operations (HAZWOPER) Health and Safety Certification
8-Hour OSHA HAZWOPER Supervisor Certification

Professional Affiliations

Board of Directors, Southern California Waste Management Forum
Landfill Gas Technical Advisory Group; California Department of Recycling and Recovery (CalRecycle)
Solid Waste Association of North America (SWANA)
Air & Waste Management Association (AWMA)

Professional Experience

Mr. Huff, a Vice President with SCS Engineers, has over 27 years of experience in environmental consulting, specializing in landfill regulatory compliance, assessment, remediation, post-closure care, and air quality/compliance issues, including greenhouse gas (GHG) emissions quantification. He is the closed landfill regulatory compliance and GHG emissions quantification Project Lead within SCS's offices throughout the western U.S., responsible for technical expertise on landfill post-closure care and redevelopment, landfill reactions (chemical and oxidation-based), GHG emissions quantification and verification, landfill regulatory compliance, and emissions quantification procedures.

Mr. Huff is also the National Lead for compliance with the federal Greenhouse Gas Reporting Program (GHGRP) within SCS, responsible for quantifying and reporting for more than 600 of the 900 landfills subject to the GHGRP. Because of this expertise, Mr. Huff has assisted the U.S. Environmental Protection Agency (EPA) with investigation and solution of errors identified in the electronic Greenhouse Gas Reporting Tool (e-GGRT).

Through his expertise, Mr. Huff has been the Project and Task Manager on a variety of projects related to landfill investigations, risk assessments, solid waste management, GHG/air regulatory compliance, hazardous waste management, hazardous substance site investigation and remediation, as well as other environmental issues.

Landfill

Environmental Monitoring and Post-Closure Care for Cal-Compact Landfill, Carson, CA (SWIS # 19-AQ-0012). This 157-acre site was a former hazardous waste landfill, currently being considered for redevelopment, and currently is under the oversight of the Department of Toxic Substances Control (DTSC). Project tasks included overall site management, including regulatory liaison on behalf of site owners, landfill gas (LFG) monitoring and assessment, LFG system operation and maintenance (O&M), groundwater sampling and analysis, cover maintenance and repair, site security, storm water sampling/analysis and inspections, LFG engineering, design of methane protection systems, and site development assistance.

CalRecycle, LFG Monitoring Well Functionality for 20 Landfills, CA. Under contract with CalRecycle (formerly CIWMB), Mr. Huff developed the approach and implemented a functionality assessment of 200 LFG monitoring probes at 20 landfills located throughout California. The functionality assessment entailed an initial condition assessment, gas monitoring, vacuum testing, video borescope inspection, and lithologic evaluation of each probe included in the study. The results of this study were presented to the CIWMB and utilized to develop the CIWMB's probe construction best management practices (BMPs).

LFG Engineering and O&M for Confidential Landfill, MO. The site was a former rock quarry located in Eastern Missouri, which at the time was undergoing an elevated temperature reaction within the waste mass. The scope of work included ongoing O&M of the existing gas collection and control system (GCCS), as well as data analysis and reporting to state and federal regulatory agencies. Mr. Huff was the SCS Team Lead for the project, coordinating activities between state, federal, and local regulatory agencies and public interest groups, and preparing high-level reports for site owners to better understand the extent and financial impact of the reaction.

LFG Assessment, Cover Maintenance, and Monitoring for Cogen Kramer Landfill, Los Angeles, CA (SWIS # 19-AA-0581). The site is located adjacent to residential development and two Los Angeles County correctional facilities. Project tasks included an assessment and emergency cover repair associated with a subsurface combustion event, LFG migration assessment, and preparation of an LFG and cover assessment work plan for installation of LFG migration probes and ongoing cover maintenance. The project included regulatory liaison with the Los Angeles County Law Enforcement Agency (LEA), CalRecycle, EPA, and South Coast Air Quality Management District (SCAQMD). In addition, methane monitoring was conducted associated with the use of one of the closed jail facilities for TV and movie productions.

Investigation and Remediation for Former Landfill, Long Beach, CA (SWIS # 19-AK-5018). Mr. Huff was Project Manager for the investigation of potential contamination derived from the landfill site adjacent to the Long Beach Memorial Medical Center. The area was the site of an expansion of the hospital and included oil field wastes and municipal waste disposal. Investigations included soil and soil vapor analyses in addition to an evaluation of the lateral and vertical extent of waste disposal. Project activities also included the excavation and removal of contaminated material and California Environmental Quality Act (CEQA) support during development of the hospital expansion.

Landfill Investigation, LFG Engineering, Human Health Risk Evaluation and Impact Assessment, Proposed Residential Developments for Site Adjacent to the Otay Landfill, Chula Vista, CA (SWIS # 37-AA-0010). Project activities at the site included an evaluation of LFG migration, LFG engineering and testing, air quality permitting and compliance, soil and LFG sampling and analysis, human health risk assessment (HHRA) and nuisance/odor evaluation, CEQA assistance, O&M of the LFG collection and control system, and other landfill engineering and construction services. The risk

assessment and odor/nuisance analysis was completed to support residential development adjacent to the landfill.

HHRA Evaluation and Impact Assessment for Proposed Commercial Developments for Site Adjacent to BKK Landfill, West Covina, California (SWIS # 19-AF-0001). The BKK site included two landfills: one municipal solid waste landfill and one hazardous waste site, which were under the oversight of the DTSC. Mr. Huff completed various investigations and data reviews/analyses of soil, surface water, groundwater, LFG, and air quality. The data were used for the completion of an HHRA in support of the CEQA process for a proposed golf course and business park development on the Class III landfill.

Investigation, Risk Assessment, and Remediation Feasibility Study for Mission Bay Landfill, San Diego, CA (SWIS # 37-AA-0026). Mr. Huff developed the LFG sampling portion of the site assessment work plan for the former landfill site, which is located next to a river, bay, and amusement park and is used heavily for recreational purposes. The field investigations were followed by a risk assessment, and, given the highly visible and public nature of the landfill project, focus on risk communication was the primary importance. Ultimately, several candidate risk-based remediation methods applicable to the site were identified with typical costs associated with each method. The project included interface with the San Diego County Air Pollution Control District (SDAPCD), Regional Water Quality Control Board (RWQCB), Solid Waste Local Enforcement Agency (LEA), and DTSC.

County of Monterey, Salinas Valley Solid Waste Authority (SVSWA) Air Quality Impact Assessment (AQIA), HHRA, and CEQA Assistance for Regional Landfill Project, CA. Regional air quality impacts, including an HHRA, were evaluated as part of an EIR for 4 different combinations of the expansion of 3 regional landfills and the placement of 10 regional transfer stations throughout the Salinas Valley. One of the landfills contained hazardous waste, including burn ash, which had to be evaluated for potential health risks. The risk assessments included an evaluation of risks from diesel exhaust from mobile equipment and vehicles.

Landfill Investigation, Regulatory Compliance, and LFG Engineering Activities for Upland Sanitary Landfill, Upland, CA (SWIS # 36-AA-0005). Project activities at the site included design and installation of a perimeter probe migration monitoring system, LFG collection and control system evaluation and engineering, air emissions sampling and analysis, and development of alternative regulatory compliance plans under SCAQMD Rule 1150.1, including regulatory liaison with California Integrated Waste Management Board (CIWMB) closed, illegal, and abandoned (CIA) staff.

Landfill Gas Assessment, Cover Maintenance, and Monitoring for Lane Road Disposal, Irvine, CA (SWIS # 30-CR-0063). The site is located adjacent to residential development and had been redeveloped into a golf course. Project tasks included LFG assessment, methane testing in nearby homes, installation of LFG migration probes, cover repair and ongoing cover maintenance, preparation of LFG assessment and cover maintenance plan, design and installation of LFG collection and control system to prevent migration onto residential properties, and regulatory liaison with the Orange County LEA, Santa Ana Regional Water Quality Control Board (SARWQCB), Orange County Integrated Waste Management Department (OCIWMD), CIWMB, and SCAQMD.

Environmental Investigations and Risk Assessment for Former BKK Main Street Landfill, West Covina, CA (SWIS # 19-AQ-0014). The landfill was a closed site that received both hazardous and nonhazardous wastes; at the time, it was occupied by two golf courses and additional commercial and residential developments and was considered for redevelopment. The project work at the facility had included completion of soil vapor extraction (SVE) surveys, installation and monitoring of LFG migration probes, LFG sampling/analysis, oversight of cover and subsurface soil and groundwater

sampling, completion of an HHRA, CEQA assistance, and negotiations with regulatory agencies. The site was considered for listing on the National Priorities List (NPL) as a potential Superfund site. Oversight of the landfill was provided by EPA Region IX, DTSC, and the Los Angeles County landfill LEA.

Landfill Investigation and Human Health Risk Evaluation/Impact Assessment for Proposed Residential Development Adjacent to a Landfill, Union City, CA. The project included completion of various soil, LFG, and groundwater investigations, and development of two risk assessments to support the development of residences adjacent to the landfill, as well as clean closure of a portion of the site for additional residential development on site. SCS also provided CEQA assistance for the proposed developments.

New Source Performance Standard (NSPS) LFG Sampling and Analysis for Multiple Landfills, Kern County, CA. For this project, Mr. Huff conducted NSPS Tier 2 LFG sampling and analysis in accordance with federal NSPS regulations at four landfills in Kern County. He performed field investigations in 1998 and resampled three of the four landfills in 2003 in accordance with federal resampling procedures set forth in NSPS regulations. In addition to conducting the field investigations, Mr. Huff completed statistical analyses of raw analytical data, and authored the final data reports submitted to the EPA.

HHRA

HHRA for Proposed Residential Development at Former Crude Oil Tank Farm, Norwalk, CA. For this project, Mr. Huff performed an assessment that included an HHRA and an evaluation of the potential human health impacts associated with a neighboring crude oil storage facility to support residential redevelopment of the site. The risk assessment included evaluation of a disposal area for oil field wastes, and was performed as part of the CEQA process for site redevelopment.

Environmental Investigations and Risk Assessment for Former Landfill, Los Angeles County, CA. This landfill was a closed site that received both hazardous and nonhazardous wastes; at the time, it was occupied by two golf courses and additional commercial and residential developments and was considered for redevelopment. Project work included completion of SVE surveys, installation and monitoring of LFG migration probes, LFG sampling/analysis, oversight of cover and subsurface soil and groundwater sampling, completion of an HHRA, CEQA assistance, and negotiations with regulatory agencies. The site was considered for listing on the NPL as a potential Superfund site. Oversight of the landfill was provided by EPA Region IX, DTSC, and the Los Angeles County landfill LEA.

Creation of Baseline HHRA and Ecological Risk Assessment for Former Rocket Manufacturing Facility, Van Nuys, CA. The facility was undergoing site mitigation under RCRA. Contaminants at the site included heavy metals, pesticides, PCBs, hydrazine, and VOCs. The ecological risk assessment included terrestrial ecosystems.

Investigation of Former Oil Refinery, Central CA. As Key Field Geologist, Mr. Huff conducted remedial excavations of lead-impacted soils, in addition to planning, scheduling, and coordinating quarterly sampling of 73 multi-aquifer groundwater monitoring wells located in and around the site. He also designed and installed 16 groundwater monitoring wells located in 3 different aquifers for contaminant plume tracking and remediation, and compiled data and prepared reports for submittal to the regulatory agency.

Creation of Baseline HHRA and Ecological Risk Assessment for Former Electronics Manufacturing Facility, Los Angeles, CA. Contaminants at the site included chlorinated solvents. The ecological risk assessment included terrestrial ecosystems.

HHRA and Impact Assessment for Proposed Commercial Developments Adjacent to Former Hazardous Waste Landfill, Southern CA. The site contained two landfills, one municipal solid waste landfill and one hazardous waste site, which were under the oversight of the DTSC. Mr. Huff completed various investigations and data reviews/analyses of soil, surface water, groundwater, LFG, and air quality. The data were used for the completion of an HHRA in support of the CEQA process for a proposed golf course and business park development on the Class III landfill.

Remedial Oversight for Cleanup of Former Petroleum Refinery and State Superfund Site, Southern CA. As Key Field Geologist, Mr. Huff provided remedial oversight for cleanup of more than 1,000,000 cubic yards of contaminated soils excavated for on-site treatment using bioremediation and vapor extraction.

Investigation, Risk Assessment, and Remediation Feasibility Study for Former Landfill, San Diego County, CA. Mr. Huff developed the LFG sampling portion of the site assessment work plan for the former landfill site, which was located next to a river, bay, and amusement park and was used heavily for recreational purposes. The field investigations were followed by a risk assessment, and, given the highly visible and public nature of the landfill project, focus on risk communication was the primary importance. Ultimately, several candidate risk-based remediation methods applicable to the site were identified with typical costs associated with each method. The project included interface with multiple regulatory agencies. Site investigative activities included preparation of work plans, conducting soil gas surveys, installation of soil borings and subsequent sampling, evaluation of applicable remedial alternatives, and assessment of hydrocarbon contaminant plumes from a variety of sources, including leaking underground storage tanks (USTs), aerospace facilities, and former petroleum refineries.

Greenhouse Gas

- CARB – Mandatory Reporting Verification Projects
- Agrium US Inc.[2]
- Alameda Municipal Power[1]
- Biggs Municipal Utility[1]
- Bonneville Power Administration[1]
- Burney Forest Products
- Cal Portland Company – Mojave Plant[2]
- Cal Portland Company – Colton Plant[2]
- California Institute of Technology
- California Steel Industries
- Carlton Forge Works
- City of Corona[1]
- City of Lompoc[1]
- City of Roseville, CA[1]
- City of Ukiah, Electric Utilities Division[1]
- City of Victorville[1]
- Collins Pine Company
- Corn Products
- Exide Technologies[2]
- Flint Hills Resources[1]
- Gridley Electric Utility[1]
- Georgia Pacific
- Healdsburg Electric Department[1]
- Hilmar Cheese Company
- IHI Power Services Corp[1]
- Imperial Irrigation District[1]
- Imperial Irrigation District – Coachella Gas Turbines
- Imperial Irrigation District – El Centro Generating Station
- Imperial Irrigation District – Niland Gas Turbines Plant
- Imperial Irrigation District – Rockwood Gas Turbines
- JP Morgan Chase Bank[1]
- Kinergy[1]
- Lodi Electric Utility[1]
- Loma Linda University[1]
- Lehigh Hanson[2]
- Metropolitan Water District[1]
- Midway Sunset Cogeneration Company
- MillerCoors
- National Cement Company[2]
- New-Indy
- Noble Petro Inc.[1]
- Orange County Sanitation District
- Olam West Coast, Inc.
- Pacific Ethanol[1]
- Pacific Gas and Electric Company[1,3]
- Port of Oakland[1]
- Pearson Fuels[1]
- Port of Stockton, CA[1]
- Qualcomm
- Renewable Energy Group[1]
- Riverside Wastewater Treatment Plant
- River City Petroleum[3]
- San Francisco Hetch Hetchy Water & Power[1]
- Shell Energy North America[1]

- Shell U.S. Trading Company[1]
- Signal Hill Petroleum[3]
- Silicon Valley Power[1]
- Southwest Gas Corporation[3]
- Truckee Donner Public Utility District[1]
- Temple Inland
- Tesoro Refining & Marketing Company[2]
- Timco Standard Tandem Alapse, Inc.
- United Pacific Energy[1]
- University of California at Davis
- University of California at Irvine
- University of California at Santa Cruz
- University of California at San Diego
- Western Area Power Authority[1]
- Wonderful Pistachios & Almonds

[1] Verification includes electrical/fuel transactions.
[2] Verification included process emissions (landfill, wastewater treatment, geothermal, or other process emissions).
[3] Verification includes oil and gas emissions.

CARB – GHG Offset Verification Projects. Includes offset verification for livestock, ozone depleting substances (ODS), and mine methane capture (MMC) projects:

- A-Gas O'Hare Project CAOD5340
- A-Gas 2017-1 Project CAOD5298
- A-Gas Americas 2017-2 Project CAOD5318
- A-Gas Americas 2017-3 Project CAOD5320
- A-Gas Americas 2015-1 Project CAOD5185
- DPC ODS Destruction Project #4 CAOD0067
- DPC ODS Destruction Project #5 RP1 CAOD0068
- DPC ODS Destruction Project #5 RP4 CAOD0068
- DPC ODS Destruction Project #6 CAOD0084
- DPC ODS Destruction Project #12 CAOD0061
- DPC ODS Destruction Project #13 CAOD0062
- DPC ODS Destruction Project #20 CAOD5066
- DPC ODS Destruction Project #21 CAOD5078
- DPC ODS Destruction Project #22 CAOD5190
- Elk Creek Coal Mine Methane Destruction and Utilization Project CAMM5173
- A-Gas RemTec 2014-3 Project CAOD5092
- ClimeCo ODS Destruction 16 and 17 CAOD5222
- Diversified Pure Chem (DPC) Domestic ODS Destruction Project #11 CAOD0019
- Environmental Credit Corp. (ECC) American Carbon Registry (ACR) ODS 2012 Project ECC ODS ACR 2013 Project CAOD5013
- ECC ODS PA-003 RP1-3 CAR CAOD0006
- ECC ODS Destruction 2-2014 CAR CAOD5059
- ECC ODS Destruction 11-2013 CAOD5033
- ECC Sunnyside Farm Project CALS0119
- Solvay Chemicals, Inc. Waste Mine Methane Project
- Sunny Knoll Farm Desktop Review
- Vamox® Demonstration Project at JWR Shaft No. 4-9

TCR – Voluntary Entity Reporting Verification Projects

- City of Davis
- Hershey Chocolate and Confectionary Corp.
- Hilmar Cheese Company
- U.S.ANA Health Sciences
- Sierra Nevada Conservancy
- University of California at Davis
- Anadarko Petroleum
- Levi Strauss & Company
- Colorado Springs Utilities
- Denver Water
- Sierra Nevada Conservancy
- The Timberland Company
- City of Chula Vista
- Metropolitan Water District
- Collins Pine Company
- North Carolina Department of Environment and Natural Resources
- Washington State Department of Ecology
- San Benito County
- City of Hollister
- City of San Juan Bautista
- University of California at Merced
- Massachusetts Department of Environmental Protection
- Hilmar Cheese Company
- University of California at Davis
- University of California at San Diego
- Anaheim Public Utilities
- City of Salt Lake City
- Irvine Ranch Water District
- University of California, Office of the President
- Virgin America
- South Carolina Department of Health and Environmental Conservation
- Clark Public Utilities
- Imperial Irrigation District

CCAR – Voluntary Entity Reporting Verification Projects

- Orange County Sanitation District
- Morningstar Packing Company
- City of West Hollywood
- El Paso Corporation
- University of California at Santa Cruz
- University of California at Merced
- University of California at Irvine
- University of California at Berkeley
- University of California at Santa Barbara
- SW Gas Corporation
- San Benito County
- City of Los Angeles
- Aquarium of the Pacific
- Anaheim Public Utilities
- Stanford University
- Collins Pine Company
- Hershey Chocolate and Confectionary Corporation
- Natomas Unified School District
- Johns Mansville
- Pacific States Environmental Contractors
- State of CA Department of General Services
- State of CA Department of Finance
- State of CA Department of Military
- State of CA Office of the Governor

CAR – Carbon Credit Verification Projects

Landfill Protocol

- Oneida-Herkimer Landfill, Ava, NY
- Davis Landfill Gas Offset Project
- Butler County Landfill Pipeline Project
- Hernando County Landfill Electric Generation
- Clinton County Landfill Methane Destruction Project
- Pine Tree Landfill Methane Destruction Project
- Finney County Landfill Gas Destruction
- Granger South Jordan Landfill Gas Destruction Project
- Steuben County Landfill Flaring Project

Livestock Protocol

- Green Meadow Farm
- George DeRuyter & Sons Dairy
- Green Valley Dairy
- Willow Point Dairy, LLC
- Central Sands Dairy, LLC
- Bridgewater Dairy, LLC
- West River Farm Anaerobic Digester Project
- Riverview Farm Anaerobic Digester Project
- Pagel's Ponderosa Dairy

CAR GHG Reduction Services, Project Manager

Landfill Protocol

- Dalton-Whitfield Regional Solid Waste Management Authority
- L & D Landfill
- Larimer County Landfill Electric Generation Project
- Hay Road Landfill Feasibility Study
- YSDI Landfill Feasibility Study
- Central Landfill, Citrus County, Florida
- Raleigh County Solid Waste Authority
- Pendleton County Landfill
- Eagle Point, Wolf Creek, and Stones Throw Landfills

Kern County Waste Management Department, GHG Emissions Inventory of Creditable GHG Reductions. Mr. Huff performed GHG emission inventory services of creditable GHG reductions.

City of Fresno Wastewater Treatment Plant (WWTP), AB32 Mandatory Reporting, Fresno, CA. Mr. Huff assisted in the completion of AB32 Mandatory reporting for the WWTP, and six active landfills for Waste Management, Inc.

GHG Inventory and CAR Reporting, CA. Mr. Huff completed GHG inventory for Los Angeles County, City of Carlsbad, CA, and Republic Services, Inc.

Specialized GHG Inventory Calculations. Mr. Huff assisted in the completion of multi-year specialized GHG inventory calculations for landfill emissions (carbon dioxide and methane) for Waste Management.

GHG Inventory Consulting. Mr. Huff provided GHG inventory consulting for the Los Angeles County and City of Carlsbad GHG Inventory Consulting.

S**oftware Testing and Evaluation.** Mr. Huff provided software testing and evaluation of the Climate Action Reserve emissions tracking and trading software.

Expert Testimony

2013 – Mr. Huff was an expert witness in regard to GHG credit dispute for confidential client. His work included rebuttal of plaintiff expert opinions, including deposition, arbitration testimony, and open-court testimony.

2015 – Mr. Huff was an expert witness in regard to LFG monitoring data interpretation for confidential client within state court. His work included preparation of exhibits and affidavits used for rebuttal of plaintiff expert witnesses.

Storm Water

Mr. Huff has been involved in numerous projects related to compliance with water and wastewater discharge limitations, including storm water and wastewater compliance sampling and discharge monitoring. His expertise allowed him to be the Lead Staff personnel on a variety of projects related to water quality, storm water, and wastewater, as well as additional environmental issues. He has participated in the following projects and studies:

- Engineering design, design review, and construction management for industrial wastewater pretreatment systems at industrial and commercial facilities.
- Pollutant loading and flow rate assessments for wastewater conveyance systems at industrial facilities.
- Development of wastewater sampling manuals and training of industrial facility personnel in proper sampling techniques.
- Installation, monitoring, and sampling of well systems to determine surface infiltration rates and the presence and nature of subsurface contaminants in groundwater.
- Performance of regulatory compliance audits, facility permitting, and interface with local, state, and federal agencies to ensure compliance with all applicable rules and environmental regulations.

Groundwater

Mr. Huff has a background in geology and paleontology. Since joining SCS, he has been involved in numerous projects related to investigation of sites with contaminated soil and groundwater.

His participation includes:

- Key Field Geologist in remedial oversight for cleanup of a state Superfund site located in Southern California. More than 1,000,000 cubic yards of contaminated soils were excavated for on-site treatment using bioremediation and vapor extraction.

- Planning and direction of field investigations of hazardous waste sites to identify and characterize contaminants in soil and groundwater.

- Assessment of hydrocarbon contaminant plumes from a variety of sources, including leaking underground storage tanks (LUSTs) and former petroleum refineries.

- Site investigative activities, including preparation of work plans, conducting soil gas surveys, installation of soil borings and subsequent sampling, and evaluation of applicable remedial alternatives.

- Installation, monitoring, and sampling of well systems to determine the presence and nature of subsurface contaminants in groundwater.

- In-field design and installation of vapor extraction systems for the remediation of volatile contaminants in subsurface soils.

- Preparation of health and safety (H&S) plans submitted for regulatory approval. This includes hazardous waste characterizations, emergency response planning, establishing site operating procedures, and field implementation of H&S plans.

- Preconveyance environmental assessments of properties prior to real estate transfer. The projects consist of evaluating past on-site operations, identifying potentially contaminated sites, record searches of files maintained by regulatory agencies, and collection and analysis of groundwater quality information, where applicable.

Additional Project Experience

- In-field design and installation of SVE systems for the remediation of volatile contaminants in subsurface soils.

- Planning and direction of field investigations of numerous hazardous waste sites to identify and characterize contaminants in soil and groundwater.

- Preparation of H&S plans submitted for regulatory approval. This includes hazardous waste characterizations, emergency response planning, establishing site operating procedures, and field implementation of health and safety plans.

- Preconveyance environmental assessments of properties prior to real estate transfer. The projects consist of evaluating past on-site operations, identifying potentially contaminated sites, record searches of files maintained by regulatory agencies, and collection and analysis of groundwater quality information, where applicable.

Mr. Huff is skilled in management information systems (MIS), database design, programming, and computer modeling. He is responsible for the collection, conversion, manipulation, and management of data used in risk assessments, groundwater and vadose zone migration, and water fate and transport modeling, and for designing and developing maps, cross-sections, and 3-D visualizations of surface and subsurface environments.

He also has performed project and financial management for internal and external projects using business practices and project management skills acquired during completion of his Master's degree in Business Administration.

Prior to joining SCS, Mr. Huff was affiliated with Green & Associates, an environmental consulting firm that provided services such as Phase I environmental site assessments (ESAs), asbestos assessments, and evaluation of core samples for paleontological purposes for major oil companies.

Publications and Presentations

Huff, Raymond, Leonard, Michelle, and Sullivan, Patrick, Composting Emissions Update and New Southern California Regulations, Presentation at the Annual Solid Waste Association of North America (SWANA) WASTECON Conference, St. Louis, Missouri, October 2003.

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Huff, Raymond, and Sullivan, Patrick, Air Quality and Odor Impacts from Landfill-Related Emissions, Conference Proceedings, Water Environment Federation (WEF) and Air and Waste Management Association (AWMA) Odor and Air Emissions 2004, Bellevue, Washington, April 2004.

Huff, Raymond, and Sullivan, Patrick, Unique Case Studies of Landfill Redevelopment in California, Conference Proceedings, 44th Annual SWANA WASTECON Conference, Charlotte, North Carolina, September 2006.

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Huff, Raymond, Banister, Amy, Smith, Phillip, Wuestenberg, Niki, Sullivan, Patrick, and Henkelman, John, Lessons Learned from Federal Mandatory GHG Reporting Data Analysis for Landfills, Presentation for AWMA Climate Change Conference, Washington, DC, September 2013.

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Huff, Raymond, and Sullivan, Patrick, Lessons Learned from California Methane Rule Reporting, Presentation at SWANA Landfill Gas Symposium, March 2014.

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Drotman, Cassandra, Henkelman, John, Huff, Raymond, and Sullivan, Patrick S., A Review of Regulatory and Industry Greenhouse Gas Reporting Cooperation, A&WMA's Finding Common Ground on Climate Change Mitigation and Adaptation, Arlington, Virginia, October 2017.

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123 Technology Drive
Irvine, California 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

June 10, 2013

Mr. Adrian Comstock
Comstock Realty Partners
1801 Avenue of the Stars, Suite 421
Los Angeles, CA 90067

RE: LIMITED ENVIRONMENTAL SITE ASSESSMENT
FORMER GAGE AVENUE LANDFILL
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

Dear Mr. Comstock:

TRC is pleased to submit this report summarizing the findings of a limited environmental site assessment for the Former Gage Avenue Landfill property located at 7316 East Gage Avenue in Commerce, California.

If you have any questions regarding this report, please call me at (949) 341-7458.

Sincerely,

TRC



David Lennon
Principal Consultant

cc:

LIMITED ENVIRONMENTAL SITE ASSESSMENT REPORT

June 10, 2013

Former Gage Avenue Landfill
7316 East Gage Avenue
Commerce, California

Prepared For

Comstock Realty Partners
1801 Avenue of the Stars, Suite 421
Los Angeles, CA 90067

Prepared By



Jim Ferrara, PG
Senior Project Geologist

TRC
123 Technology Drive
Irvine, California 92618

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1.0 INTRODUCTION AND OBJECTIVE

This report presents the results of limited environmental site assessment activities conducted at 7316 East Gage Avenue, Commerce, California (the Site [see Figure 1]). The objective of these activities was to excavate five test trenches to verify the landfill material floor depth and collect soil samples for environmental testing. Figure 2 shows the five test trench locations.

This scope of work was conducted in accordance with TRC's Cost Estimate for Phase II Environmental Site Assessment dated April 25, 2013.

2.0 SITE DESCRIPTION

The Site consists of approximately 7.92 acres of vacant land with no structures in a mixed commercial/industrial area and is identified by the Los Angeles County Office of the Assessor as Parcel Number 6357-018-005. The property is bounded to the north by the Southern Pacific Railroad main line and right-of-way, to the east by Interstate 5 freeway, to the south by the Rio Hondo percolation basin/flood control channel and to the west by the Veteran's Memorial Park.

3.0 SITE HISTORY

From approximately 1950 to 1954, the Site was reportedly operating as the Gage Avenue Landfill, accepting municipal solid wastes, construction debris and inert fill materials. The Gage Avenue Landfill is identified in the California Solid Waste Information System (SWIS) database as facility No. 19-AA-5543. In 1958, an approximately 52,160 square-foot rectangular commercial building and railroad spur was constructed over the landfill material at the Site. The commercial building was declared unsafe by the County of Los Angeles Fire Department in February 1991 due to settling of the ground surface beneath the pile supported building structure and was demolished in 1992. The Site is currently vacant undeveloped land partially covered with asphalt.

4.0 GEOLOGY AND HYDROGEOLOGY

The Site situated at an elevation of approximately 151 feet relative to mean sea level (msl) with the surface elevation sloping gently towards the south. Depth to groundwater at the Site is estimated to be approximately 90 feet below grade (fbg) based on historical groundwater monitoring events conducted at 7825 Telegraph Road (GeoTracker, 2013). The Site is centrally situated at the southern edge of the Montebello Plain physiographic feature within the Coastal Plain of the Los Angeles Basin. According to published geologic maps and cross sections (CDWR, 1961), the Site overlies late Pleistocene-age sediments of the Lakewood formation. The Lakewood formation is described as being sedimentary in origin and consists of marine and continental gravel, sand, silty sand, silt, and clays. The Site lies within the Central Groundwater Basin, a subdivision of the Coastal Plain of Los Angeles County east and northeast of the Newport-Inglewood uplift. Local hydrostratigraphic features (from shallowest to deepest) include the Bellflower aquiclude, Exposition aquifer and Gage aquifer within the Lakewood

formation. Deeper hydrostratigraphic features of the underlying San Pedro formation include the Hollydale aquifer, Lynwood aquifer, Silverado aquifer, and Sunnyside aquifer. The aquifers of the Central Groundwater Basin are generally separated by low-permeability aquitards that limit vertical groundwater conductance between aquifers (CDWR, 1961).

5.0 PREVIOUS ENVIRONMENTAL ACTIVITIES

An 8,000 gallon diesel underground storage tank (UST) was installed at the Site in 1975 and removed in 1989. During UST removal, petroleum hydrocarbon contaminated soil was discovered in soil samples collected from within the former tank cavity. The California Regional Water Quality Control Board, Los Angeles Region, issued a regulatory case closure letter for this case on March 10, 1998.

A geotechnical investigation for Dynamics Builders was conducted in 2004. Ten soil borings were advanced to a maximum depth of 80.5 fbg indicating landfill cell debris up to 29 feet in depth. The 2004 effort subsequently advanced 173 supplemental borings, using a 40-foot grid pattern to further evaluate landfill cell thickness across the Site. During the supplemental investigation, an "oil contamination smell" was observed in Soil Boring 79. A copy of the 2004 Geotechnical Investigation Report is included in Appendix A.

6.0 ASSESSMENT ACTIVITIES

6.1 PRE-FIELD

Prior to conducting assessment activities:

- A site health and safety plan was prepared.
- The proposed trenching locations were staked and the property boundaries marked with white spray paint prior to Underground Service Alert (USA) notification. The owners of underground utilities in the area were notified by USA, and the utilities present at the property boundaries were marked.

6.2 TRENCH INVESTIGATION

On May 8, 2013, five trench locations (T1 through T5) were excavated throughout the Site to estimate the landfill cell floor depth, estimate the quantity of landfilled material in relation to soil within the cell, and to obtain soil samples for environmental testing. Figure 2 shows the approximate locations of the five test trenches. The surface dimensions of the five trenches were approximately 5 feet by 20 feet. The depth of the trenches ranged from approximately 19 to 23 fbg. Gray, fine-grained sand was encountered in the underlying soil at the bottom of each test trench. Groundwater was not encountered in any of the test trenches. A copy of the trench logs is provided in Appendix B.

6.3 SOIL SAMPLING AND ANAYSIS

Field-composited, landfill-derived soil samples were collected from the following depth intervals:

- 0 to 5 fbg (1, 2, 3, 4 & 5 foot depth intervals);
- 5 to 10 fbg (6, 7, 8, 9 & 10 foot intervals from the excavator bucket);
- 10 to 15 fbg (11, 12, 13, 14 & 15 foot intervals from the excavator bucket); and
- 15 to 20+ fbg (1 foot intervals starting at 16 fbg).

Two non-composited soil samples were collected of the material underlying the landfill cell floor at 18 and 23 fbg, approximately 1 foot below the cell floor. Soil samples T4-18 and T2-23 were collected from gray, fine-grained sand underlying the landfilled materials.

Soil gas was measured prior to and during trench excavation. A four-gas meter was utilized to measure methane, hydrogen sulfide, carbon dioxide and percentage of oxygen. A photoionization detector (PID) was used to measure volatile organic compounds (VOCs). Soil gases in ambient air were not detected prior to trench excavation. Methane concentrations up to 590 parts per million (ppm) and carbon dioxide up to 1,000 ppm were measured in the stockpiled material following excavation. VOCs were measured in Trench T1 at 4 fbg, up to 52 ppm.

A total of 22 soil samples were submitted to BC Laboratories, Inc. in Bakersfield, California for chemical analysis. Twenty soil samples (four samples per trench) were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by California LUFT, and TPH carbon chain (TPH-cc) by EPA Method 8015, VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, organo-chlorine pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8080 and Title 17 metals by EPA Methods 6010B/7000.

6.4 BACKFILLING

Excavated materials were placed back into the respective trench and tamped into place with the excavator bucket.

7.0 FINDINGS

A select summary of the results of laboratory analysis of soil samples collected is presented below. For all analyzed chemicals, refer to the Official Laboratory Report in Appendix C.

- Total petroleum hydrocarbons (C8 to C44) were detected in 19 of the 20 soil samples ranging from 440 to 8,500 milligrams per kilogram (mg/kg). Composited soil samples T1-5 and T4-15 reported TPH concentrations of 8,500 and 8,000 mg/kg, respectively. The majority of the hydrocarbons detected were within the oil range (C21 to C43).

- TPH-G (C4-C12) was detected in 15 of the 20 soil samples at concentrations ranging from 0.24J mg/kg to 39 mg/kg. Soil sample T1-5 collected from Trench 1 was reported with the highest concentration of 39 mg/kg.

- VOCs were detected at concentrations less than 1.0 mg/kg in 17 of the 20 soil samples. No detectable concentrations of tetrachloroethylene (PCE) or trichloroethylene (TCE) were detected in any of the soil samples. See Table 2.

VOCs were detected at concentrations less than 1.0 mg/kg in 17 of the 20 soil samples. No detectable concentrations of tetrachloroethylene (PCE) or trichloroethylene (TCE) were detected in any of the soil samples. See Table 2.

- SVOCs were detected in 6 of the 20 samples. Concentrations of bis(2-ethylhexyl)phthalate up to 11 mg/kg were detected in sample T1-5. Concentrations of fluorene, 2-methylnaphthalene, naphthalene, phenanthrene and pyrene were detected in soil sample T4-18. No detectable concentrations of polycyclic aromatic hydrocarbons (PAHs) were detected in the 19 other soil samples.

- Pesticides were detected in 13 of 20 soil samples. The compounds and their maximum concentrations are as follows: 4,4´-DDD (28 mg/kg), 4,4´-DDE (1.1 mg/kg), 4,4´-DDT (7.8 mg/kg), dieldrin (9.6 mg/kg), and endrin (0.59 mg/kg). The regional screening levels (RSLs) for pesticides in industrial soil were exceeded for 4,4´-DDD, 4,4´-DDT and dieldrin. See Table 4 the Summary of Organo-Chlorine Pesticides in Soil.

- PCBs were detected in 1 of the 20 soil samples. Soil sample T2-5 had a PCB-1260 concentration of 0.47 mg/kg.
- Total lead was detected in each of the 20 soil samples collected at concentrations ranging from 1.8J to 1,400 mg/kg. The RSL for lead in industrial soil (800 mg/kg) was exceeded in 6 of the 20 soil samples. See Table 5 for a summary of laboratory results.
- Total arsenic was detected in each of the 20 soil samples collected at concentrations ranging from 1.6 to 23 mg/kg. The RSL for arsenic in industrial soil (1.6 mg/kg) was exceeded in each of the 20 soil samples. These arsenic concentrations appear to be consistent with typical background concentrations for soils. See Table 5 for a summary of laboratory results.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The soil and/or fine grained material samples collected from the five trench excavations identified petroleum hydrocarbons, lead, and other organic chemical impacts at the Site. The chemicals identified in the samples were consistent with the anticipated impacts to the Site soil

and with the proposed closure plan for the Site. The landfill debris identified in each of the five trench excavation locations consisted primarily of wood, asphaltic building material, tire rubber, plastic, paper, green waste and metal. The debris profile is also consistent with the proposed closure plan for the Site. It is anticipated that a majority of the site soil will meet the site cleanup goals and will be available for reuse as backfill material for the Site.

Some concentrations of the detected chemical constituents exceed the EPA Region IX, Remedial Screening Levels for industrial sites. Therefore, it is anticipated that a limited amount of the chemical impacted soil will require offsite disposal. This soil will be either directly disposed of offsite in a Class III landfill or treated onsite prior to offsite disposal at Class III landfill. The offsite disposal of a limited amount of chemically impacted soil is consistent with the proposed landfill closure plan.

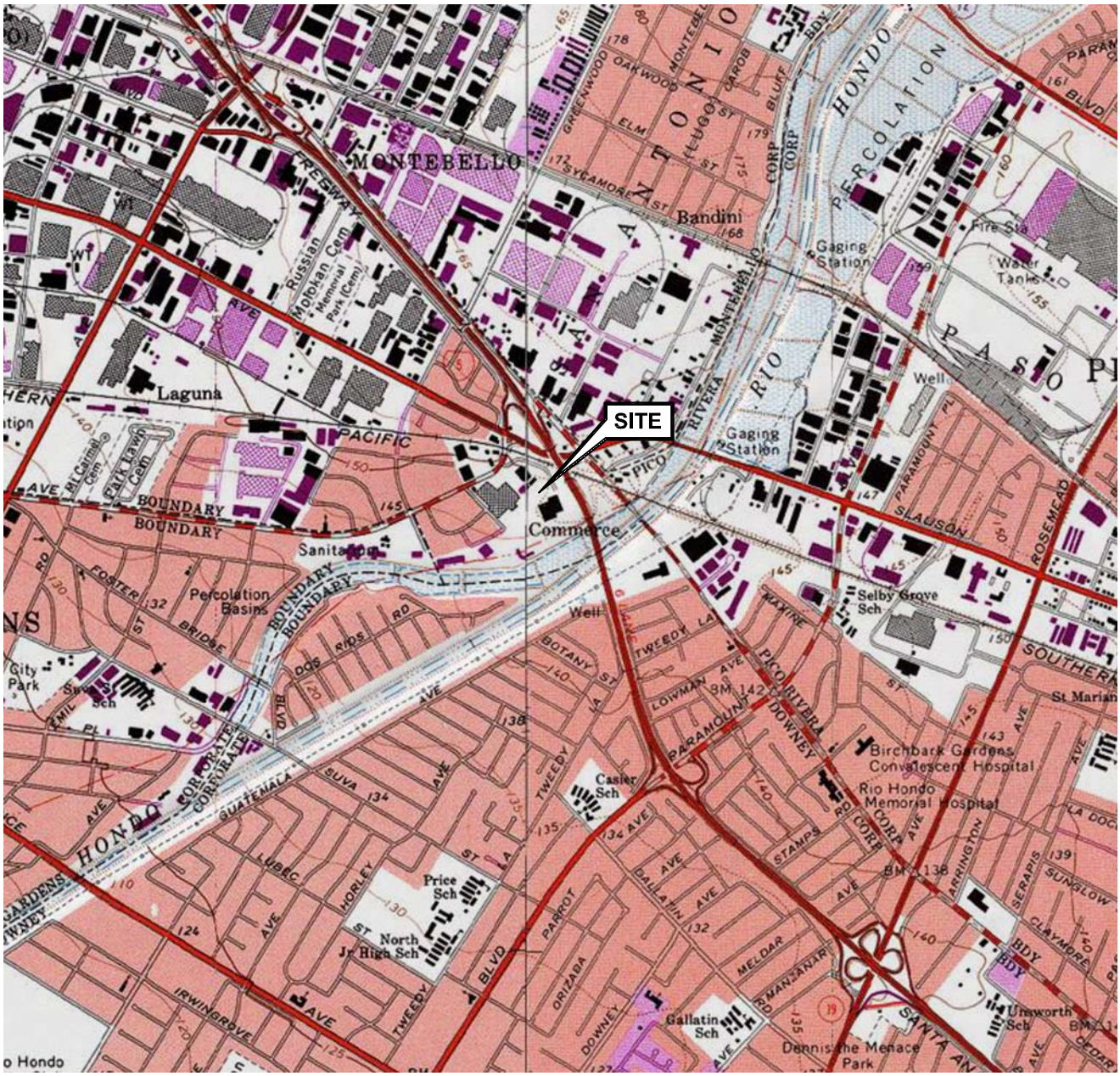
TRC recommends the land fill closure work plan submittal process commence. The work plan process is administered by the State of California Water Resources Control Board (SWRCB) and includes specific regulatory required steps to complete the closure of the landfill in accordance to California Code of Regulations, Title 27. The first step in the work plan process is to determine the future use of the site and identify the limits of the landfill that will be closed. The timeline for preparing and submitting the work plan is 15 business days after the completion of the field investigation, and the expected work plan approval by the SWRCB occurs approximately 60 - 90 days thereafter.

9.0 REFERENCES

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California Department of Water Resources (CDWR), Coastal Plain of Los Angeles County Groundwater Basin, West Coast Subbasin, Bulletin 118, 1961.

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Los Angeles Quadrangle



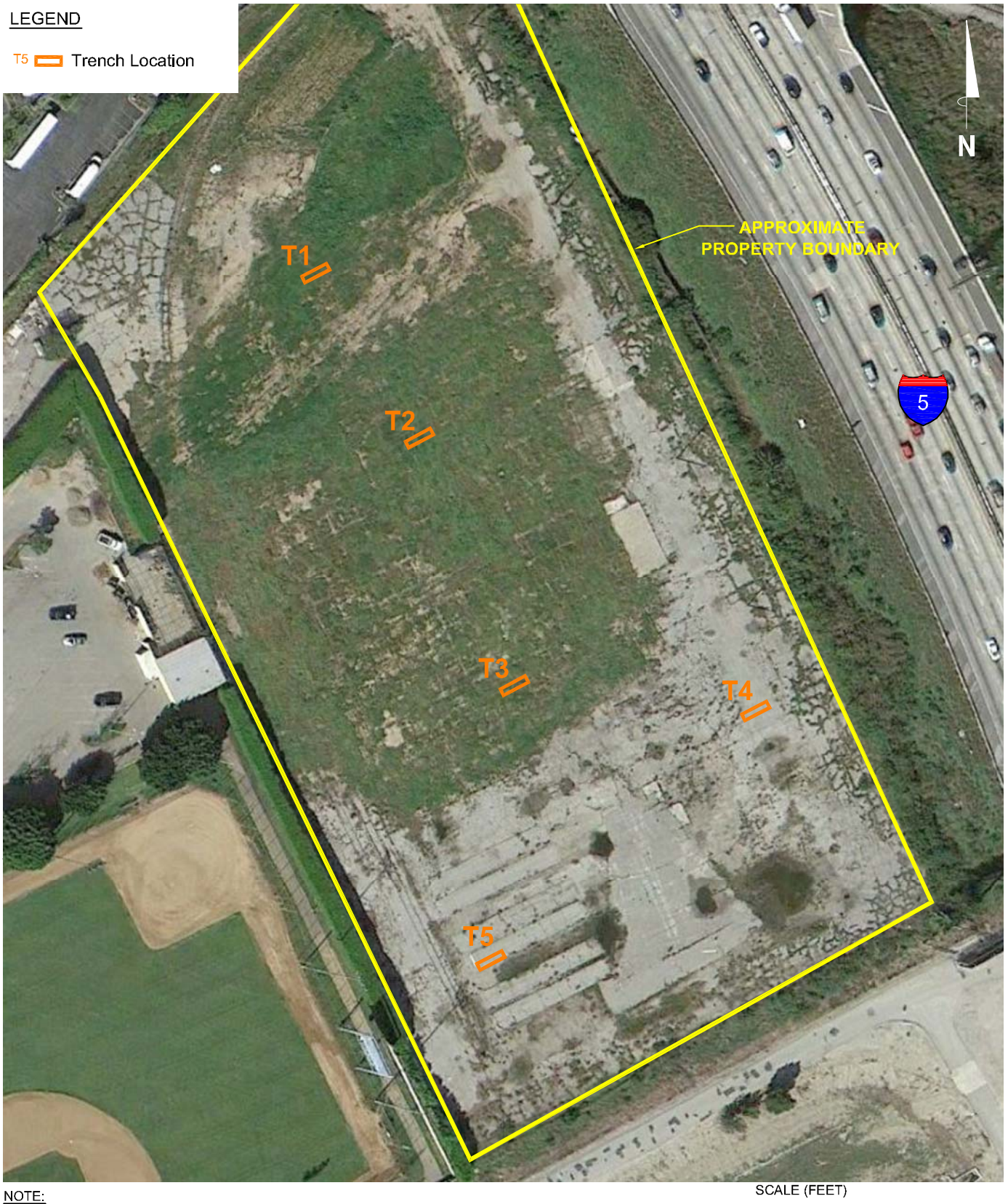
TRC

COMSTOCK REALTY PARTNERS
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\Graphics\ProjectsByName\Comstock (Commerce Landfill)\CADD\Comstock-VM.dwg Apr 22, 2013 - 10:13am Rcollins



NOTE:

Modified from a map provided by Google Earth Professional, dated 3/7/2011.

SCALE (FEET)

0 100

TRC

PROJECT: 203004

FACILITY:

COMSTOCK REALTY PARTNERS
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

TRENCH LOCATION MAP

FIGURE 2

MS=1:200 L:\Graphics\ProjectsByName\Comstock (Commerce Landfill)\CADD\Comstock-Aerial.dwg May 21, 2013 - 11:54am Rcollins

TABLES

Table 1
Summary of Total Petroleum Hydrocarbons in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Gasoline Range Organics (C4-C12)		(C8 - C9)	(C10 - C11)	(C12 - C14)	(C15 - C16)		(C17 - C18)		(C19 - C20)	(C21 - C22)		(C23 - C28)	(C29 - C32)	(C33 - C36)	(C37 - C40)	(C41 - C43)	(C44 plus)	Total (C8 - C44+)
T1-5	1, 2, 3, 4, 5	5/8/2013	39		ND	ND	290	150		240		410	730		3300	2000	1100	180	ND	ND	8500
T1-10	6, 7, 8, 9, 10	5/8/2013	3.9		ND	ND	ND	280		120		410	380		1300	810	600	120	ND	ND	4100
T1-15	11, 12, 13, 14, 15	5/8/2013	1.4		ND	ND	97	58		110		190	310		1100	920	900	170	250	ND	4100
T1-20	16, 17, 18, 19, 20	5/8/2013	0.98	J	ND	ND	50	31		51		83	140		470	380	350	71	100	ND	1700
T2-5	1, 2, 3, 4, 5	5/8/2013	ND		ND	ND	1.8	2.0		6.0		ND	35		170	120	75	11	11	ND	440
T2-10	6, 7, 8, 9, 10	5/8/2013	ND		ND	ND	20	26		48		84	96		220	130	110	23	ND	ND	760
T2-15	11, 12, 13, 14, 15	5/8/2013	1.0		ND	ND	60	75		160		240	330		1500	820	440	71	90	ND	3800
T2-23	23	5/8/2013	ND		ND	ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND		ND	ND	ND	ND		18	J	39	26	J	190	180	200	51	100	ND	810
T3-10	6, 7, 8, 9, 10	5/8/2013	1.3		ND	ND	37	19		39		77	120		400	290	290	63	100	ND	1400
T3-15	11, 12, 13, 14, 15	5/8/2013	ND		ND	ND	37	18	J	41		72	120		370	270	290	72	140	ND	1400
T3-20	16, 17, 18, 19, 20	5/8/2013	0.74	J	ND	ND	23	13	J	21		49	85		380	360	320	67	110	ND	1400
T4-5	1, 2, 3, 4, 5	5/8/2013	0.43	J	ND	ND	15	17		52		100	140		390	270	240	48	61	ND	1300
T4-10	6, 7, 8, 9, 10	5/8/2013	0.74	J	ND	ND	38	21		44		76	130		400	280	270	51	54	ND	1400
T4-15	11, 12, 13, 14, 15	5/8/2013	0.65	J	ND	ND	89	77		190		300	460		2000	2100	1800	370	540	ND	8000
T4-18	18	5/8/2013	0.46	J	ND	ND	39	20		45		81	130		650	620	530	110	160	ND	2400
T5-5	1, 2, 3, 4, 5	5/8/2013	0.57	J	ND	ND	27	18	J	39		74	120		400	330	340	74	120	ND	1500
T5-10	6, 7, 8, 9, 10	5/8/2013	0.55	J	ND	ND	87	28	J	42	J	50	73		260	250	330	86	170	ND	1400
T5-15	11, 12, 13, 14, 15	5/8/2013	0.46	J	ND	ND	27	23		35		55	120		440	380	360	75	120	ND	1600
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	0.24	J	ND	ND	3.1	2.7		6.3		15	34		170	150	130	22	25	ND	560

Notes:
Analysis by Luft and EPA Method 8015CC for purgeable aromatics and total petroleum hydrocarbons.
ND = Analyte not detected at or above the reporting limit.
J = Estimated value (CLP Flag).
All TPH concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 2
Summary of Volatile Organic Compounds in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	1,2,4-Trimethyl-benzene		Benzene		Ethylbenzene		Toluene		Total Xylenes		Naphthalene	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)
Regional Screening Level - Ind. Soil (mg/kg)			**260**		**540**		**27**		**45000**		**2700**		**18**	**110**	**6.4**
T1-5	1, 2, 3, 4, 5	5/8/2013	0.045		0.0067		0.027		0.0019	J	0.013		0.057	ND	ND
T1-10	6, 7, 8, 9, 10	5/8/2013	0.013		0.0025	J	0.0059		ND		0.0045	J	0.025	ND	ND
T1-15	11, 12, 13, 14, 15	5/8/2013	0.0041	J	0.0082		0.0033	J	0.0014	J	ND		0.020	ND	ND
T1-20	16, 17, 18, 19, 20	5/8/2013	ND		ND		ND		ND		ND		ND	ND	ND
T2-5	1, 2, 3, 4, 5	5/8/2013	ND		ND		ND		ND		ND		ND	ND	ND
T2-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0023	J	ND		ND		ND		ND	ND	ND
T2-15	11, 12, 13, 14, 15	5/8/2013	0.0042	J	0.0015	J	ND		ND		ND		0.017	ND	ND
T2-23	23	5/8/2013	ND		ND		ND		ND		ND		ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND		0.0017	J	ND		ND		ND		ND	ND	ND
T3-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0030	J	0.0024	J	ND		ND		0.023	ND	ND
T3-15	11, 12, 13, 14, 15	5/8/2013	ND		0.0015	J	0.0020	J	ND		ND		0.024	ND	ND
T3-20	16, 17, 18, 19, 20	5/8/2013	0.0023	J	0.0054		0.0062		ND		ND		0.019	ND	ND
T4-5	1, 2, 3, 4, 5	5/8/2013	ND		0.0019	J	ND		ND		ND		ND	ND	ND
T4-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0021	J	ND		ND		ND		0.014	ND	ND
T4-15	11, 12, 13, 14, 15	5/8/2013	ND		0.0075		0.0066		0.0019	J	0.011		0.018	ND	ND
T4-18	18	5/8/2013	ND		0.0022	J	0.0027	J	ND		ND		0.014	ND	ND
T5-5	1, 2, 3, 4, 5	5/8/2013	ND		0.0017	J	0.0072		ND		ND		0.032	ND	ND
T5-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0026	J	ND		ND		ND		0.016	ND	ND
T5-15	11, 12, 13, 14, 15	5/8/2013	ND		0.0030	J	ND		0.0014	J	ND		0.014	ND	ND
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	0.0018	J	0.0033	J	ND		0.0014	J	ND		0.012	ND	ND

Notes:
EPA Method 8060B for volatile organic analysis (VOCs).
ND = Analyte not detected at or above the reporting limit.
J = Estimated value (CLP Flag).
All VOC concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 3
Summary of Polycyclic Aromatic Hydrocarbons in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenz(a,h) anthracene
Regional Screening Level - Ind. Soil (mg/kg)			**2.1**	**0.21**	**2.1**	**21**	**210**	**0.21**
T1-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T1-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T1-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T1-20	16, 17, 18, 19, 20	5/8/2013	ND	ND	ND	ND	ND	ND
T2-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T2-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T2-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T2-23	23	5/8/2013	ND	ND	ND	ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T3-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T3-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T3-20	16, 17, 18, 19, 20	5/8/2013	ND	ND	ND	ND	ND	ND
T4-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T4-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T4-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T4-18	18	5/8/2013	ND	ND	ND	ND	ND	ND
T5-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T5-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T5-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	ND	ND	ND	ND	ND	ND

Notes:
EPA Method 8070C for base neutral acid extractables organic analysis.
ND = Analyte not detected at or above the reporting limit.
J= Estimated value (CLP Flag).
All PAH concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 4
Summary of Organo-Chlorine Pesticides and Total PCBs in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	4,4'-DDD	4,4´-DDE	4,4´-DDT	Dieldrin	Endrin	Total PCBs
Regional Screening Level - Ind. Soil (mg/kg)			**7.2**	**5.1**	**7**	**0.11**	**180**	**0.74**
T1-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	0.14	ND	ND	ND
T1-10	6, 7, 8, 9, 10	5/8/2013	0.27	0.19	0.077	ND	0.057	ND
T1-15	11, 12, 13, 14, 15	5/8/2013	0.12	0.18	0.030	ND	ND	ND
T1-20	16, 17, 18, 19, 20	5/8/2013	0.039	ND	0.012	ND	ND	ND
T2-5	1, 2, 3, 4, 5	5/8/2013	0.022	0.0063	0.040	ND	0.0084	0.47
T2-10	6, 7, 8, 9, 10	5/8/2013	0.013	ND	0.0052	ND	ND	ND
T2-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T2-23	23	5/8/2013	ND	ND	ND	ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T3-10	6, 7, 8, 9, 10	5/8/2013	**14**	1.1	1.5	**4.5**	0.31	ND
T3-15	11, 12, 13, 14, 15	5/8/2013	**14**	ND	**7.8**	**3.2**	ND	ND
T3-20	16, 17, 18, 19, 20	5/8/2013	**28**	ND	4.9	**9.6**	0.59	ND
T4-5	1, 2, 3, 4, 5	5/8/2013	1.6	0.19	ND	**0.56**	ND	ND
T4-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T4-15	11, 12, 13, 14, 15	5/8/2013	0.15	ND	ND	ND	ND	ND
T4-18	18	5/8/2013	ND	ND	ND	ND	ND	ND
T5-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T5-10	6, 7, 8, 9, 10	5/8/2013	0.16	ND	ND	ND	ND	ND
T5-15	11, 12, 13, 14, 15	5/8/2013	0.12	ND	ND	ND	ND	ND
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	ND	ND	ND	ND	ND	ND

Notes:

Analysis by EPA Method 8080 for organochlorine pesticides and polychlorinated biphyenols (PCBs).

ND = Analyte not detected at or above the reporting limit.

All concentrations reported in mg/kg.

See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 5
Summary of Metals in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Arsenic	Barium	Cadmium		Chromium	Lead		Mercury		Selenium	Silver	
Regional Screening Level, Ind. Soil (mg/kg)			**1.6**	**190,000**	**800**		**-**	**800**		**43**		**5,100**	**5,100**	
T1-5	1, 2, 3, 4, 5	5/8/2013	**23**	340	8.8		170	550		1.2		5.9	2.6	
T1-10	6, 7, 8, 9, 10	5/8/2013	**9.4**	200	2.2		27	380		0.98		3.3	12	
T1-15	11, 12, 13, 14, 15	5/8/2013	**5.6**	180	1.3		25	200		0.50		3.1	0.85	
T1-20	16, 17, 18, 19, 20	5/8/2013	**6.0**	140	1.8		24	150		1.8		3.8	0.70	
T2-5	1, 2, 3, 4, 5	5/8/2013	**5.9**	150	0.75		26	79		0.18		3.1	0.12	J
T2-10	6, 7, 8, 9, 10	5/8/2013	**6.4**	180	4.8		35	150		0.29		3.4	0.27	J
T2-15	11, 12, 13, 14, 15	5/8/2013	**5.5**	160	0.54		25	100		0.17		3.0	0.067	J
T2-23	23	5/8/2013	**1.8**	43	ND		7.8	1.8	J	0.026	J	2.8	ND	
T3-5	1, 2, 3, 4, 5	5/8/2013	**10**	260	11		31	**920**		0.31		4.4	1.5	
T3-10	6, 7, 8, 9, 10	5/8/2013	**8.1**	160	1.5		31	440		1.0		2.9	1.5	
T3-15	11, 12, 13, 14, 15	5/8/2013	**5.5**	180	0.53		74	450		0.18		3.3	20	
T3-20	16, 17, 18, 19, 20	5/8/2013	**10**	190	20		28	380		0.26		3.5	7.2	
T4-5	1, 2, 3, 4, 5	5/8/2013	**10**	210	1.4		76	**800**		0.24		3.0	5.0	
T4-10	6, 7, 8, 9, 10	5/8/2013	**8.9**	240	1.7		79	380		0.75		3.6	1.6	
T4-15	11, 12, 13, 14, 15	5/8/2013	**5.4**	150	1.1		24	**1200**		0.77		2.8	2.8	
T4-18	18	5/8/2013	**4.3**	100	0.20	J	17	**1100**		0.072	J	4.1	0.45	J
T5-5	1, 2, 3, 4, 5	5/8/2013	**5.1**	180	1.3		72	**1400**		0.32		3.9	0.64	
T5-10	6, 7, 8, 9, 10	5/8/2013	**5.4**	150	0.81		23	**1000**		0.54		3.8	0.69	
T5-15	11, 12, 13, 14, 15	5/8/2013	**7.6**	160	1.7		27	410		0.23		4.0	2.9	
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	**3.8**	100	0.41	J	16	100		0.12	J	4.1	0.33	J

Notes:
Analysis by EPA Method 6010B and 7471A for total concentrations.
ND = Analyte not detected at or above the reporting limit
J = Estimated value (CLP Flag).
All metals concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL)

APPENDIX A

2004 GEOTECHNICAL INVESTIGATION REPORT

GEOTECHNICAL INVESTIGATION

PROPOSED INDUSTRIAL DEVELOPMENT

7316 EAST GAGE AVENUE

CITY OF COMMERCE, CALIFORNIA

Presented herewith is the report of our Geotechnical Investigation conducted at the site of the proposed industrial development located at 7316 East Gage Avenue in the City of Commerce, California. The investigation was performed in order to provide recommendations for site preparation and to assist in building foundation design.

This report presents the results of our field investigation and laboratory testing along with conclusions and recommendations for foundation design and site preparation. This report completes our agreed upon scope of services as understood in our proposal dated August 25, 2004.

We appreciate the opportunity to provide service to you on this project. If you have any questions regarding this report, our the recommendations provided herein, please contact the undersigned

GEOTECHNICAL INVESTIGATION
PROPOSED INDUSTRIAL DEVELOPMENT
7316 EAST GAGE AVENUE
CITY OF COMMERCE, CALIFORNIA

October 18, 2004

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INTRODUCTION

This report presents the results of our Geotechnical Investigation performed in order to provide recommendations for remedial site grading and to assist in the design and construction of the foundations for the proposed industrial buildings and the associated site improvements. The project site is located at 7316 East Gage Avenue in the City of Los Angeles, California. The proposed project consists of one or more industrial buildings along with various related site improvements. The associated site improvements will include paved parking areas and driveways, various underground utilities, and landscape areas.

SCOPE OF WORK

The purpose of our investigation was to determine certain engineering characteristics of the near surface soils on the site in order to develop recommendations for foundation design and site preparation. Our investigation included field exploration, laboratory testing, engineering analysis and the preparation of this report. Evaluation of environmental issues or hazardous wastes was not within the scope of services provided. Our investigation was performed in accordance with contemporary geotechnical engineering principles and practice. We make no other warranty, either express or implied.

PROJECT DESCRIPTION

The project site is located at 7316 East Gage Avenue in the City of Commerce, California. The preliminary plans indicate that the proposed development will include one or more industrial buildings along with various associated site improvements. It is our assumption that the proposed buildings will be of relatively lightweight concrete tilt-up, steel-frame or reinforced masonry construction and will be supported by conventional shallow spread footings and concrete slabs on grade. The associated site improvements will include paved parking areas and driveways along with various underground utilities.

At the time of our investigation, the project site was vacant and the ground surface was either paved or covered with base material. The site is identified as the former Gage landfill in several previous reports provided for our review. A review of previous geotechnical reports confirms the existence of extensive buried debris and artificial fills consistent with the previous landfill use.

The current surface of the site is relatively level overall and the property is near the elevation of the adjacent properties and streets. The Santa Ana Freeway corridor forms the eastern edge of the property. There is an existing ballfield directly west of the site and a hotel just north of the subject site

It is our assumption that the proposed industrial buildings will be of relatively lightweight steel-frame, concrete tilt-up or reinforced masonry construction and will be supported by conventional shallow spread footings and concrete slabs on grade. Based upon our previous experience with similar structures, we assume that the column loads will be less than 80 kips and wall loading will be less than 5.0 kips per linear foot. If the actual design loads exceed these assumed loads, the recommendations included in this report should be reviewed with respect to the increased loading and the adequacy should be verified.

SOIL CONDITIONS

The site is underlain primarily by extensive amounts of buried debris and artificial fill material overlying native silty sands, sandy silts and fine to coarse-grained alluvial sands with gravel. Artificial fill depths of up to 30 feet below existing grade were encountered within the areas of our exploratory borings dependent upon location. The artificial fill soils were comprised primarily of various types of debris consistent with the previous landfill use. The artificial fill soils and debris appeared very loose and highly compressible within each of our borings. The underlying native soils also appeared somewhat loose within the upper 5 to 10 feet within several of our borings but appeared firm below a depth of 10 feet.

The deeper native soils consisted primarily of sandy silts, silty sands and fine to coarse-grained alluvial sands with gravel. In general, the deeper native soils appear quite firm and sampler penetration resistance (as measured by field blowcounts) suggests that density within the native soils generally increases with depth. The near surface artificial fill soils and the underlying native soils were found to be moist throughout the depth of our exploratory borings. Laboratory testing indicated moisture content varying from 2 to 30 percent.

Laboratory classification testing indicates that the near surface artificial fills and native soils consist primarily of silty sands and sandy silts. Expansion testing indicates that the near surface soils are moderately expansive and fall within the "low" expansion category in accordance with the Uniform Building Code (UBC) classification system. Consolidation testing indicates that the deeper native soils are susceptible to only minor consolidation or compression related settlements as a result of the increased loading associated with engineered fills as well as the new building foundations.

Groundwater was not encountered within our exploratory borings that extended to a maximum depth of approximately 80 feet below the existing ground surface. Groundwater should not be a factor in foundation design or construction.

CONCLUSIONS AND RECOMMENDATIONS

Based upon our field and laboratory investigation, it is our opinion that the proposed industrial development is feasible from a soil mechanic's standpoint provided that the recommendations included in this report are considered in building foundation design and site preparation. Due to the presence of extensive amounts of artificial fill soils and debris throughout the site, extensive remedial grading is recommended for the proposed building areas. We recommend that remedial grading within the proposed building areas include complete removal and recompaction of the artificial fill soils, debris and any loose native soils encountered in order to provide uniform compacted soils beneath the building foundations. Specific recommendations for site preparation are presented in the Site Grading section of this report.

Groundwater was not encountered within our borings that extended to a maximum depth of 51 feet below the existing ground surface. Due to the depth to groundwater, specific liquefaction analyses were not performed. Based upon the depth to groundwater, the potential for liquefaction and the related surficial affects of liquefaction impacting the site are considered negligible.

The site is located within a seismically active area of Southern California and strong ground shaking resulting from seismic events on prominent faults in the region will likely impact the site during the expected lifetime of the project. As a minimum, the building addition should be designed in accordance with Uniform Building Code criteria for Seismic Zone 4. Pertinent seismic design criteria as described in the 1997 UBC are summarized in Appendix C.

Caving did occur within each of our borings and the site soils may be susceptible to caving within deeper excavations. All excavations should be constructed in accordance with the normal CalOSHA excavation criteria.

The surface soils encountered during our investigation were found to be moderately expansive. Laboratory testing indicated Expansion Indices of 21 and 32 for the near surface soils which correspond with the "low" expansion category in accordance with 1997 UBC Table 18-I-B.

The following recommendations present more detailed design criteria that have been developed on the basis of our field investigation and laboratory testing.

Foundation Design: The results of our investigation indicate that either conventional shallow continuous footings or isolated pad footings, that are supported upon properly compacted fill soils, may be expected to provide satisfactory support for the proposed new structure foundations. Proper demolition along with complete artificial fill removal and recompaction should be performed as recommended in the Site Preparation section of this report.

Exterior footings should extend at least 18 inches beneath lowest adjacent grade and interior footings should extend at least 12 inches below slab subgrade. Isolated square or rectangular footings at least 2 feet square and continuous footings at least 12 inches wide may be designed using an allowable bearing pressure of 2000 pounds per square foot. The allowable bearing pressure may be increased by approximately 250 psf for each additional 1 foot of width and 250 psf for each additional 6 inches of depth. The maximum allowable bearing pressure should be limited to 3000 psf unless confirmed subsequent to performing specific settlement calculations. The allowable bearing pressures are for dead and frequently applied live loads and may be increased by 1/3 to resist wind, seismic or other transient loading.

The recommendations made in the preceding paragraph are based on the assumption that all footings will be supported upon properly compacted fill soils. All demolition and foundation area preparation should be performed under the testing and inspection of the Soils Engineer or his representative. Prior to the placement of concrete, we recommend that the footing excavations be inspected in order to verify that they extend into compacted soil and are free of loose and disturbed materials.

Because the site soils may be susceptible to settlement due to the introduction of excessive amounts of water, care should be taken to see that bearing soils are not allowed to become saturated from the introduction of storm water runoff or irrigation. Drainage from the building areas should be rapid and complete.

Settlements: Settlements may result from the anticipated foundation loads. These estimated ultimate settlements are calculated to be a maximum of 1 inch when using the recommended bearing values. As a practical matter, differential settlements between footings can be assumed as one-half of the total settlement.

Lateral Design: Resistance to lateral loads can be provided by a combination of friction acting at the base of the slabs or foundations and passive earth pressure along the sides of the foundations. A coefficient of friction of 0.40 between soil and concrete may be used for dead load forces only. A passive earth pressure of 275 pounds per square foot, per foot of depth, may be used for the sides of footings that are poured against properly compacted native soils. Passive earth pressure should be ignored within the upper 1 foot except where confined (such as beneath a floor slab or pavement).

Retaining Walls: Cantilever retaining walls may be designed utilizing "active" soil pressures. The "active" pressures may be estimated utilizing an equivalent fluid weight of 35 pounds per cubic foot (pcf) for drained level native backfill soils. For restrained walls "at rest" pressures should be utilized in design. The equivalent fluid weight should be increased to 55 pcf for restrained walls with level free-draining native backfill soils. The lateral pressures provided above should be applicable for use in temporary shoring system design.

Expansive Soils: Due to the prominence of "low" expansion category soils near the surface, expansive soil design criteria should not be a factor in the design of foundations and concrete slabs-on-grade. Final slab design should be based upon post grading expansion test results in accordance with design criteria outlined within applicable portions of the Uniform Building Code and should be determined by the Structural Engineer.

Concrete Slabs-on-Grade: All surfaces to receive concrete slabs-on-grade should be underlain by compacted fill soils as described in the Site Preparation section of this report. Where slabs are to receive moisture sensitive floor coverings or where dampness of the floor slab is not desired, we recommend the use of an appropriate vapor barrier or an adequate capillary break. Vapor barriers should be protected by sand in order to reduce the possibility of puncture and to aid in obtaining uniform concrete curing. If preferred, a capillary break consisting of a minimum 4 inch thick layer of crushed rock may be utilized.

Reinforcement of slabs-on-grade in order to resist expansive soil pressures may be necessary dependent upon post grading expansion test results and the quality of the possible import soils. Reinforcement will also have a beneficial affect in containing cracking due to concrete shrinkage. Temperature and shrinkage related cracking should be anticipated in all concrete slabs-on-grade. Floor slab reinforcement and the spacing of control joints, should be determined by the Structural Engineer.

Soluble Sulfates: The soluble sulfate concentrations of the surface soils were determined to be 82, 897, and 66 parts per million (ppm). The sulfate content determined suggests that the site soils are generally considered non-corrosive with respect to concrete. The use of Type 5 cement and/or special sulfate resistant concrete mix designs should not be necessary.

Tentative Pavement Design: Although R-Value of the surface soils was not specifically determined, based upon the generally sandy nature of the surface soils encountered throughout the site, we expect that the R-Value will be in excess of 50. The following preliminary pavement sections are based upon a design R-Value of 50.

Parking areas and areas limited to auto and light truck traffic (Traffic Index = 5.0)
Use 3.0 inches of asphalt on 4.0 inches of Class 2 base material

Drive lanes and areas of intermittent truck traffic (Traffic Index = 6.5)
Use 4.0 inches of asphalt on 6.0 inches of Class 2 base material

The recommended pavement sections should be provided with a uniformly compacted subgrade and precise control of thickness and elevations during placement. Drainage from paved areas should be rapid and complete.

If concrete pavement is preferred, a standard section of 6 inches of Portland Cement Concrete (PCC) on 4 inches of aggregate base material should be adequate for most traffic conditions. The section should be increased to 8 inches of PCC on aggregate base material in areas where regular heavy truck traffic is expected.

Pavement and slab designs should be confirmed at the completion of site grading when the subgrade soils are in-place. This should include sampling and R-Value testing of the actual subgrade soils and an analysis based upon the anticipated traffic loading.

Shrinkage and Subsidence: Volumetric shrinkage of the material that is excavated and replaced as controlled compacted fill should be anticipated. We estimate that this shrinkage may vary from 10 to 15 percent within the near surface native soils. Subsidence of the surfaces that are scarified and compacted is expected to vary from one-tenth to two tenths of a foot. This will vary depending upon the type of equipment used, the moisture content of the soil at the time of grading and the actual degree of compaction attained. These values for shrinkage and subsidence are exclusive of losses that will occur due to the removal of unsuitable materials and other subsurface obstructions.

General Site Preparation: All grading should be performed in accordance with the grading ordinance of the City of Los Angeles, California. The following recommendations have been developed on the basis of our field and laboratory testing:

1. **Clearing and Demolition:** Proper demolition of any existing structure components, slabs, footings, pavements and underground utilities will be very important. Soils that are disturbed due to the removal of the previous improvements or structure foundations should be removed and replaced as controlled compacted fill under the direction of the Soils Engineer. Debris an dother unsuitable material should be removed from the site.

2. **Preparation of Building and Foundation Areas:** All artificial fill soils and debris should be removed from the site. Removals should extend to competent native soils or a minimum depth of 3 feet below the bottom of the footings, whichever is deeper. The exposed surface should be scarified, moisture conditioned and recompacted to at least 90 percent relative compaction. Once unsuitable materials are removed, the excavated soils may be replaced as controlled compacted fill. Removals should be observed and compaction should be verified by testing.

   Removals should extend to the property lines, shoring may be required to accomplish the recommended artificial fill and debris removal in areas where fill depths exceed 10 feet.

3. **Preparation of Exterior Slab and Pavement Areas:** Disturbed native soil or unsuitable fill material should be removed from pavement areas and replaced as compacted fill material. The underlying native soils should be scarified, brought to near optimum moisture content, and compacted to a minimum of 90 percent relative compaction prior to replacing the fill material. As a minimum, slabs and pavements should be supported by a minimum of 12 inches of compacted soil.

4. **Placement of Compacted Fill:** Fill materials consisting of on-site soils or approved imported granular soils, should be spread in thin lifts, and compacted at near optimum moisture content to a minimum of 90 percent relative compaction.

   Imported material should have an Expansion Index not exceeding 20. The contractor shall notify the Soils Engineer at least 48 hours in advance of importing soils in order to provide sufficient time for the evaluation of the proposed import materials. The contractor shall be responsible for delivering material to the site that complies with the project specifications. Approval by the Soils Engineer will be based upon material delivered to the site and not the preliminary evaluation of import sources.

   Our observations of the material encountered during our investigation indicate that compaction will be most readily obtained by means of heavy rubber-wheeled equipment and/or sheepsfoot compactors. At the time of our investigation, the moisture content of the site soils was found to be very inconsistent. A more uniform and near optimum moisture content should be maintained during fill placement and compaction.

5. **Testing and Inspection:** During grading tests and observations should be performed by the Soils Engineer or his representative in order to verify that the grading is being performed in accordance with the project specifications and applicable ordinances. Field density testing shall be performed in accordance with acceptable ASTM methods.

   The minimum acceptable degree of compaction should be 90 percent of the maximum dry density as obtained by the ASTM D1557-91 test method. Where testing indicates insufficient density, additional compactive effort shall be applied until retesting indicates satisfactory compaction.

GENERAL

The findings and recommendations presented in this report are based upon an interpolation of the soil conditions between boring locations and extrapolation of these conditions throughout the proposed building addition area. Should conditions encountered during grading (or demolition) appear different than those indicated in this report, this office should be notified.

This report is considered to be applicable for use by [redacted] for the specific site and project described herein. The use of this report by other parties or for other projects is not authorized. The recommendations of this report are contingent upon monitoring of the grading operation by a representative of [redacted] All recommendations are considered to be tentative pending our review of the grading operations and additional testing, if indicated. If others are employed to perform any soil testing, this office should be notified prior to such testing in order to coordinate any required site visits by our representative and to assure indemnification of Sladden Engineering.

Our investigation was conducted prior to the completion of plans for the project. We recommend that a pre-job conference be held on the site prior to the initiation of site grading. The purpose of this meeting will be to assure a complete understanding of the recommendations presented in this report as they apply to the actual grading performed.

APPENDIX A

Site Plan
Boring Logs

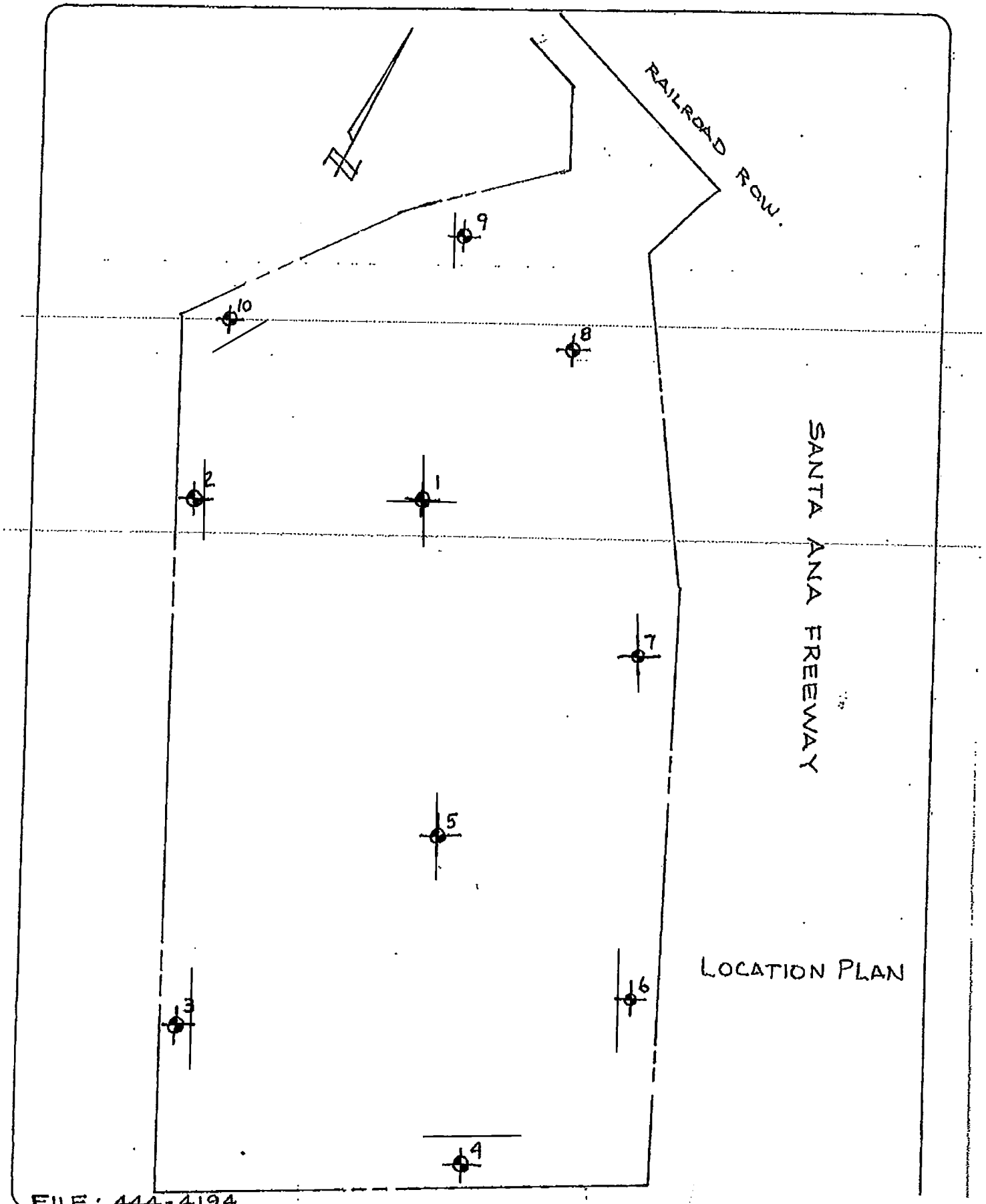
APPENDIX A

FIELD EXPLORATION

For the initial phase of our field investigation 10 exploratory borings were excavated on September 22, 2004 using a truck mounted Mobile B-61 drilling rig and hollow-stem augers. The approximate exploratory boring locations are indicated on the site plan included in this appendix. Boring logs are included in this appendix. Additional borings to further evaluate artificial fill depths are currently underway.

Representative undisturbed samples were obtained within our borings by driving a thin-walled steel penetration sampler (California split spoon sampler) or a Standard Penetration Test (SPT) sampler with a 140-pound hammer dropping approximately 30 inches (ASTM D1586). The number of blows required to drive the samplers 18 inches was recorded in 6-inch increments and blowcounts are indicated on the boring logs.

The California samplers are 3.0 inches in diameter, carrying brass sample rings having inner diameters of 2.5 inches. The standard penetration samplers are 2.0 inches in diameter with an inner diameter of 1.5 inches. Undisturbed samples were removed from the sampler and placed in moisture sealed containers in order to preserve the natural soil moisture content. Bulk samples were obtained from the excavation spoils and samples were then transported to our laboratory for further observations and testing.



LOCATION PLAN

FILE: 444-4194

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No.** 1 **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sands & Sandy Silts with Debris: Brown	---	---	---	---	Artificial Fill 29'
5									
10									
15									
20									
25			21/7/15	Sandy Silt with Gravel & Debris: Dark Grey	ML		11		
28			26/30/28	Silty Sand with Traces of Clay & Concrete: Dark Grey	SM		12		
35			8/13/19	Silty Sand: Dark Grey	SM		13		Native Soils Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.
40			14/15/15	Sandy Silt: Grey	ML		22		
45			7/12/20	Sandy Silt: Light Brown	ML		22		Total Depth = 80.5' No Bedrock No Groundwater
50			50-4"	Silty Sand: Light Grey	SM		4		

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 1 Continued | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
50			50-4"	Silty Sand; Light Grey	SM		4		Native Soils
55			41/50-3"	Silty Sand: Light Grey	SM		3		
60			20/50-5"	Silty Sand with 4" Silt Layer: Grey	SM		13		
65			20/29/32	Silty Fine Sand: Grey	SM		6		
70			36/28/37	Sand with Gravel: Grey	SM		3		
75			19/36/40	Sandy Silt: Brown	ML		11		
80			14/17/24	Sandy Silt; Brown	ML		13		
85									Total Depth = 80.5' No Bedrock No Groundwater Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.
90									
95									
100									

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 Boring No. 2 Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand: Brown	SM	---	---	---	Artificial Fill 19'
5			---	Silty Sand with Debris (Wood, Rubber Tires, Wood)	SM	---	---	---	
10									
15									
20			15/20/28	Silty Sand: Grey	SM	111	9	18	Native Soils
25			19/29/28	Silty Sand: Grey	SM	105	6	7	
30			20/50-4"	Silty Sand with Gravel: Grey	SM	121	5	8	
35									Total Depth = 30.5' No Bedrock No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 3 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand: Brown	SM	---	---	---	Artificial Fill 21'
5			---	Silty Sand with Debris (Wood, Rubber Tires, Wood)	SM	---	---	---	
10									
15									
20									
22			13/18/28	Silty Sand: Grey	SM	90	5	11	Native Soils
25			20/20/17	Silty Sand: Grey	SM	87	9	11	
30			22/27/30	Coarse Sand: Grey	SM	110	3	9	
35									Total Depth = 30.5' No Bedrock No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No. 4** **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand with Debris: Brown	SM	---	---	---	Artificial Fill 17'
5									
10									
15									
							▽		Native Soils
20			7/12/17	Sandy Silt: Grey	ML	93	30	77	
25			11/14/19	Sandy Silt: Grey	ML	96	27	80	
30			18/27/30	Sand: Light Grey	SM	99	2	8	
35									Total Depth = 30.5' No Bedrock No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 5 | Job Number: 444-4194

Depth, ft.	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt with Traces of Clay & Debris; Dark Brown	ML	---	---	---	Asphalt 7" Misc. Base 7" Artificial Fill 18'
10		X	11/16/19	Sandy Silt with Debris; Dark Brown	ML	---	---	---	No Sample Recovered
20		■	10/12/15	Sand; Light Grey	SM	92	5	10	Native Soils
25		■	17/20/20	Sand; Light Grey	SM	98	4	11	
									Total Depth = 25.5' No Bedrock No Groundwater

Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.

■ Recovered Sample

X Unrecovered Sample

■ Standard Penetration Sample

7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No. 6** **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt: Reddish Brown	ML	---	---	---	Asphalt 4.5"
									Artificial Fill 17'
			---	Silty Sand with Gravel & Debris: Brown	SM	---	---	---	
5									
10									
15									
									Native Soils
20									
25			30/50-4"	Sand with Thin Silt Lense: Grey	SM	99	4	9	
30			29/40/48	Sand with Thin Silt Lense: Grey	SM	102	3	10	
									Total Depth = 30.5'
35									No Bedrock
									No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
				Standard Penetration Sample					
50									

Dynamic Builders
7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 8 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand with Debris: Brown	SM	---	---	---	Asphalt 3.5" Misc. Base 4" Artificial Fill 10'
5									
11			3/6/6	Sandy Silt: Grey Brown	ML		18		Native Soils
15			10/10/11	Sand: Light Grey	SM	95	3	8	
20			8/12/18	Sand: Light Grey	SM	93	3	9	
25			23/50-5"	Sandy Silt: Grey Brown	ML	107	10	75	
									Total Depth = 25.5' No Bedrock No Groundwater

Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.

Recovered Sample

Unrecovered Sample

Standard Penetration Sample

[redacted]

Dynamic [redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 Boring No. 9 Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt with Traces of Clay: Reddish Brown	ML	---	---	---	Asphalt 2.5" Misc. Base 5" Artificial Fill 1'
5			31/50-3"	Sandy Silt with Traces of Clay: Reddish Brown	ML	111	14	54	
10			15/25/30	Sand with Gravel: Light Brown	SM	102	3	9	
15			31/50-5"	Sand with Gravel: Light Brown	SM	112	3	8	
20			15/29/45	Sand with Gravel: Light Brown	SM	110	3	9	Total Depth = 20.5' No Bedrock No Groundwater
25									
30									
35									
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

Dynamic Builders

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 10 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt: Brown	ML	---	---	---	Asphalt 3" Misc. Base 4.5" Artificial Fill 2'
3			31/50-5"	Sandy Silt: Brown	ML				
10			14/15/23	Silty Sand: Brown	SM	110	10	36	
15			12/16/19	Sand: Brown	SM	112	9	14	Total Depth = 15.5' No Bedrock No Groundwater
20									
25									
30									
35									
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

Dynamic Builders
7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 6 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt with Traces of Clay: Reddish Brown	ML	---	---	---	Asphalt 2.5" Artificial Fill 18'
3		X	---	Silty Sand with Gravel & Debris: Brown	SM	---	---	---	
8		X	3/5/5	Silty Sand with Concrete & Debris: Light Grey	SM	---	---	---	No Sample Recovered
18		■	14/19/34	Sand: Light Grey	SM	101	7	9	Native Soils
25		■	13/14/21	Sandy Silt: Grey	ML	100	22	83	
30		■	10/11/12	Sandy Silt with Silt Stone Lense: Grey	ML	102	3	10	
									Total Depth = 30.5' No Bedrock No Groundwater

Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.

■ Recovered Sample

X Unrecovered Sample

■ Standard Penetration Sample

Gradation

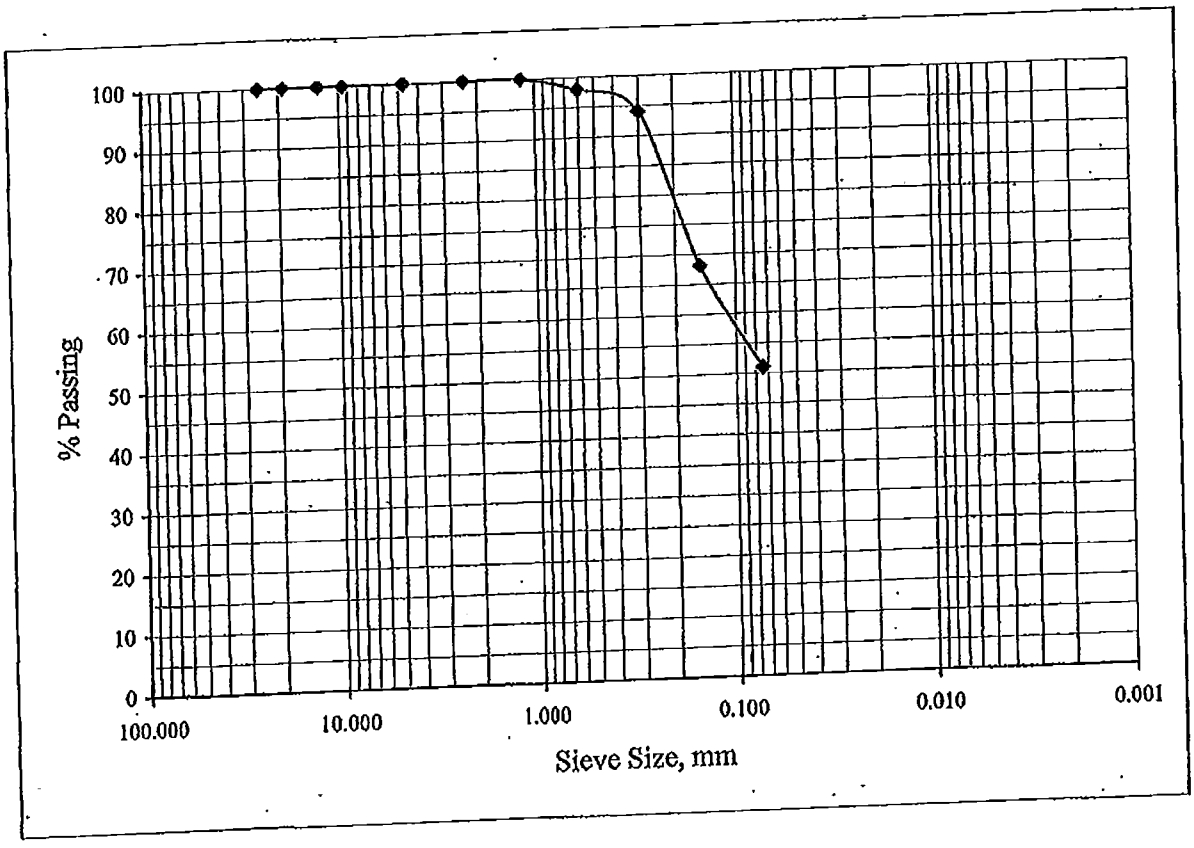
ASTM C117 & C136

October 11, 2004

Project Number: 444-4194
Project Name: 7316 E. Gage Ave., Commerce

Sample ID: Bulk 6 @ 0-5'

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	100.0
#16	1.18	100.0
#30	0.60	98.0
#50	0.30	94.0
#100	0.15	68.0
#200	0.074	51.0



Gradation

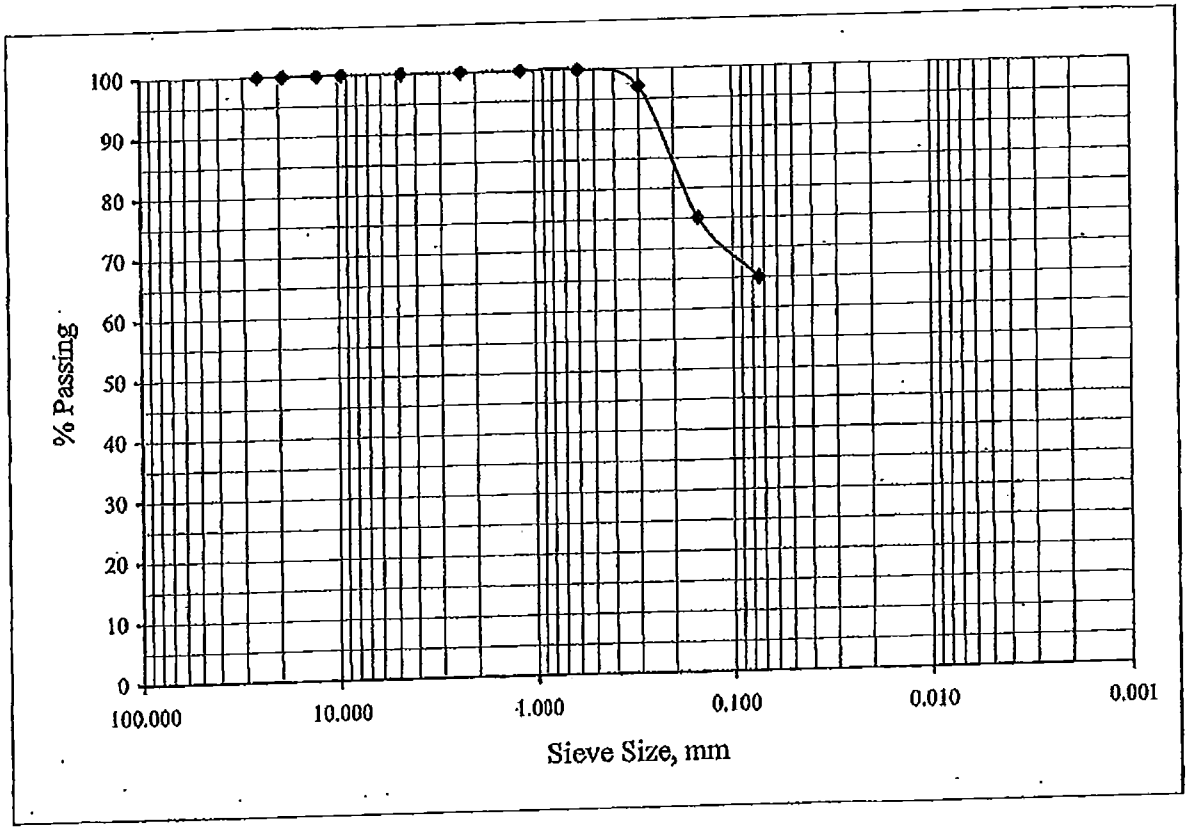
ASTM C117 & C136

October 11, 2004

Project Number: 444-4194
Project Name: 7316 E. Gage Ave., Commerce

Sample ID: Bulk 10 @ 25 - 30'

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	100.0
#16	1.18	100.0
#30	0.60	100.0
#50	0.30	97.0
#100	0.15	75.0
#200	0.074	65.0



One Dimensional Consolidation

ASTM D2435 & D5333

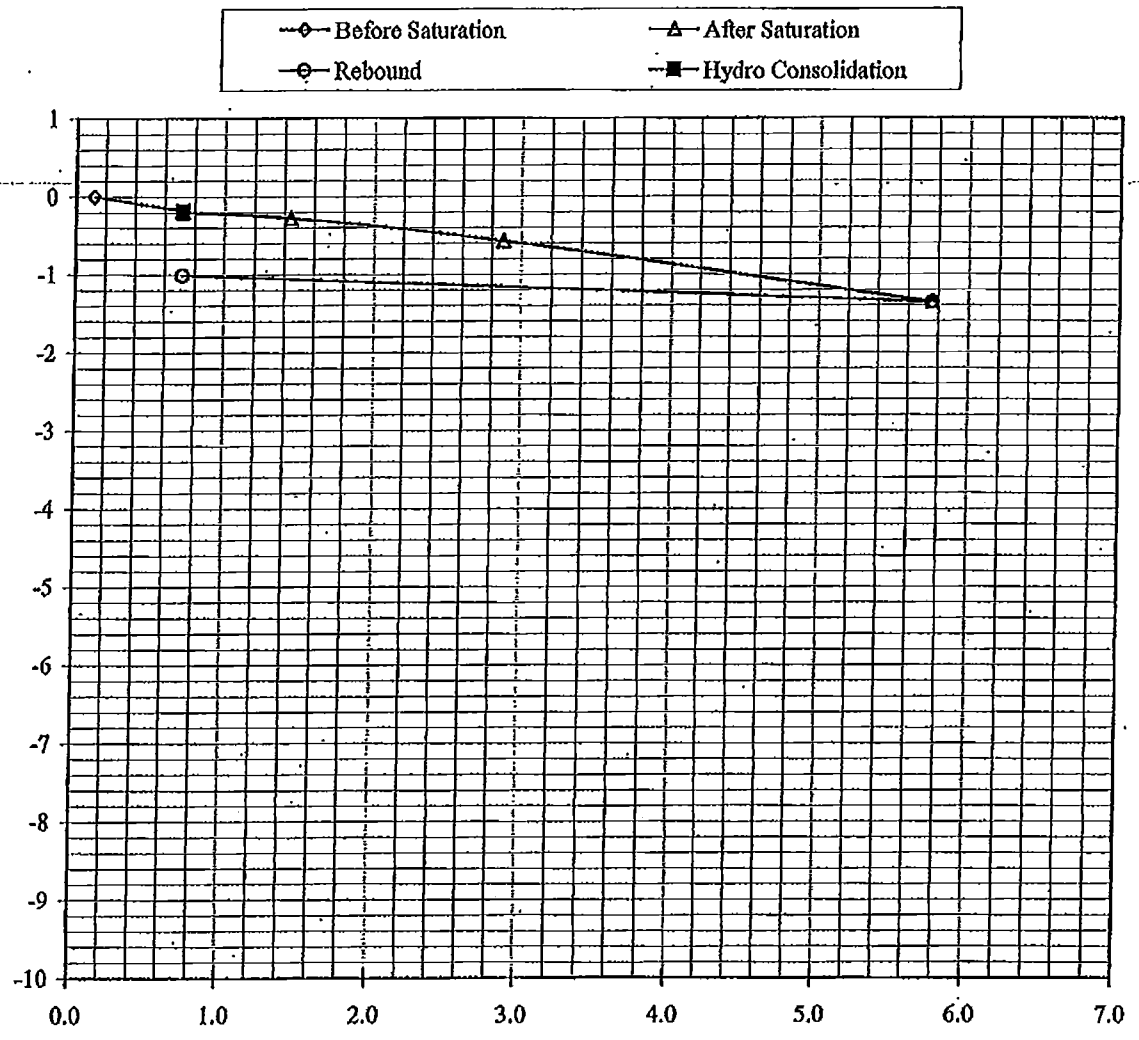
Job Number: 444-4194

October 11, 2004

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 9 @ 5'
Soil Description: Sandy Silt

Initial Dry Density, pcf:	109.3
Initial Moisture, %:	14
Initial Void Ratio:	0.525
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



One Dimensional Consolidation

ASTM D2435 & D5333

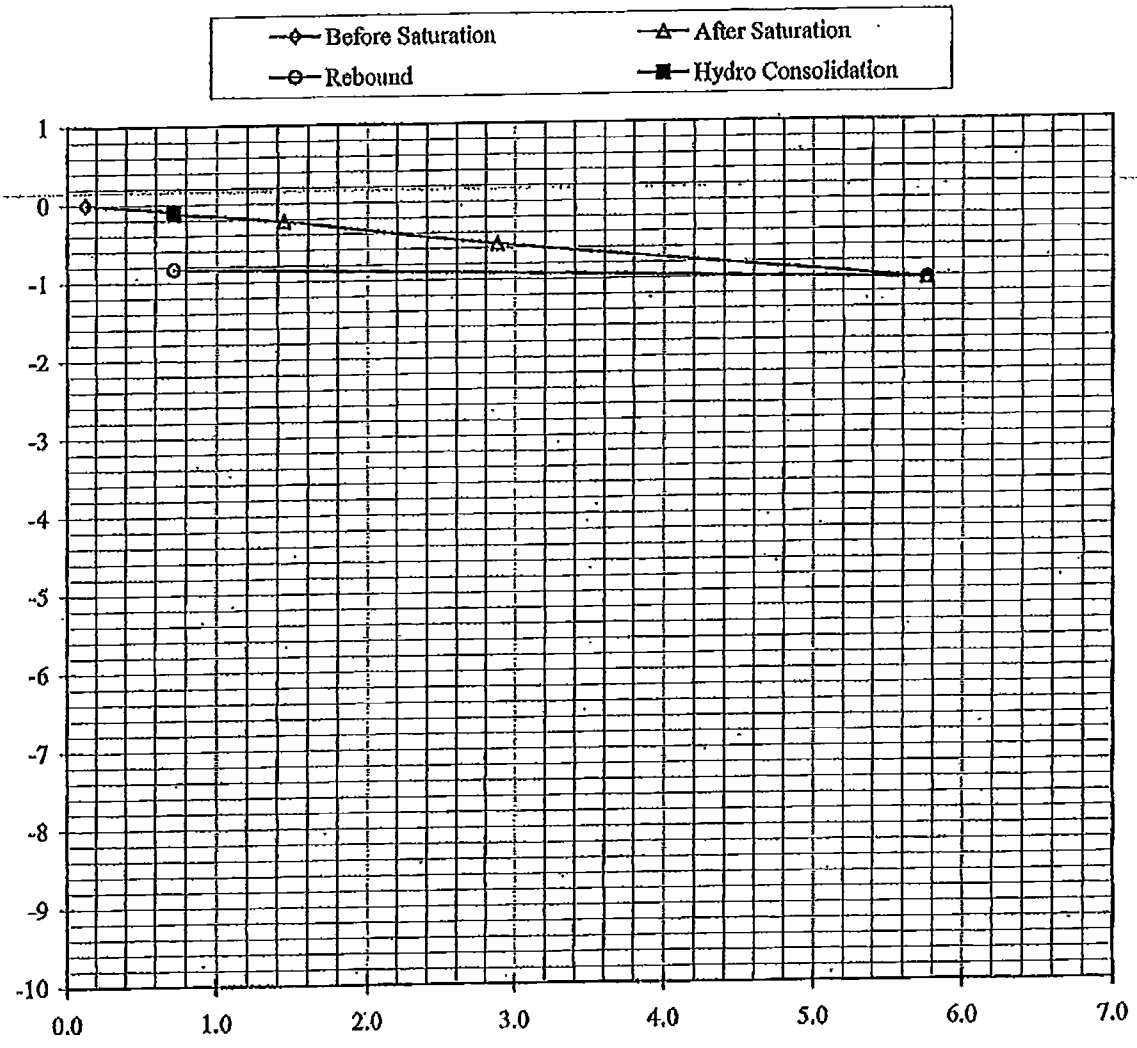
Job Number: 444-4194

October 11, 2004

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 9 @ 10'
Soil Description: Sand

Initial Dry Density, pcf:	95.7
Initial Moisture, %:	3
Initial Void Ratio:	0.743
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



One Dimensional Consolidation

ASTM D2435 & D5333

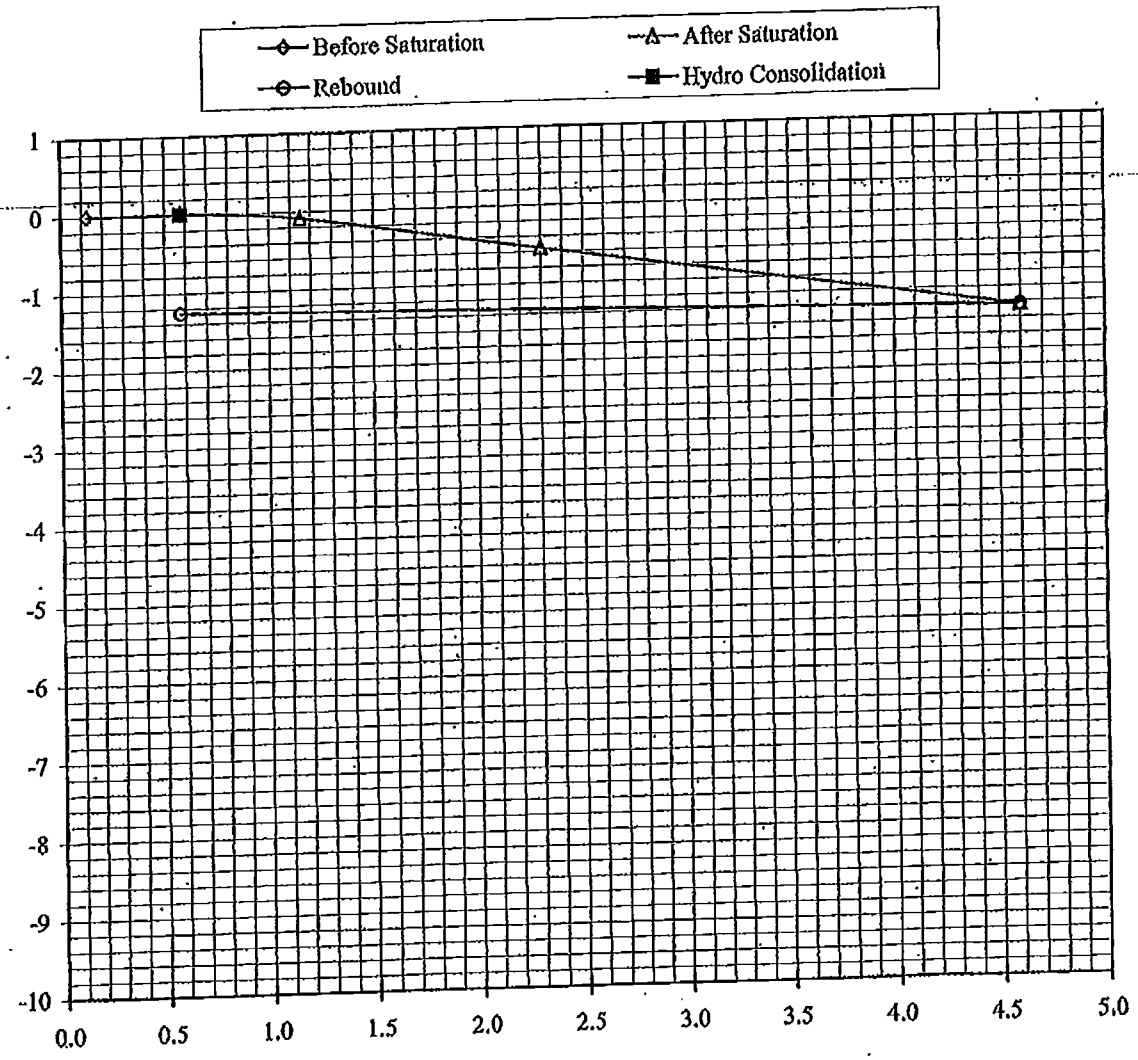
October 11, 2004

Job Number: 444-4194

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 10 @ 3'
Soil Description: Sandy Silt

Initial Dry Density, pcf:	126.7
Initial Moisture, %:	5
Initial Void Ratio:	0.316
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



One Dimensional Consolidation

ASTM D2435 & D5333

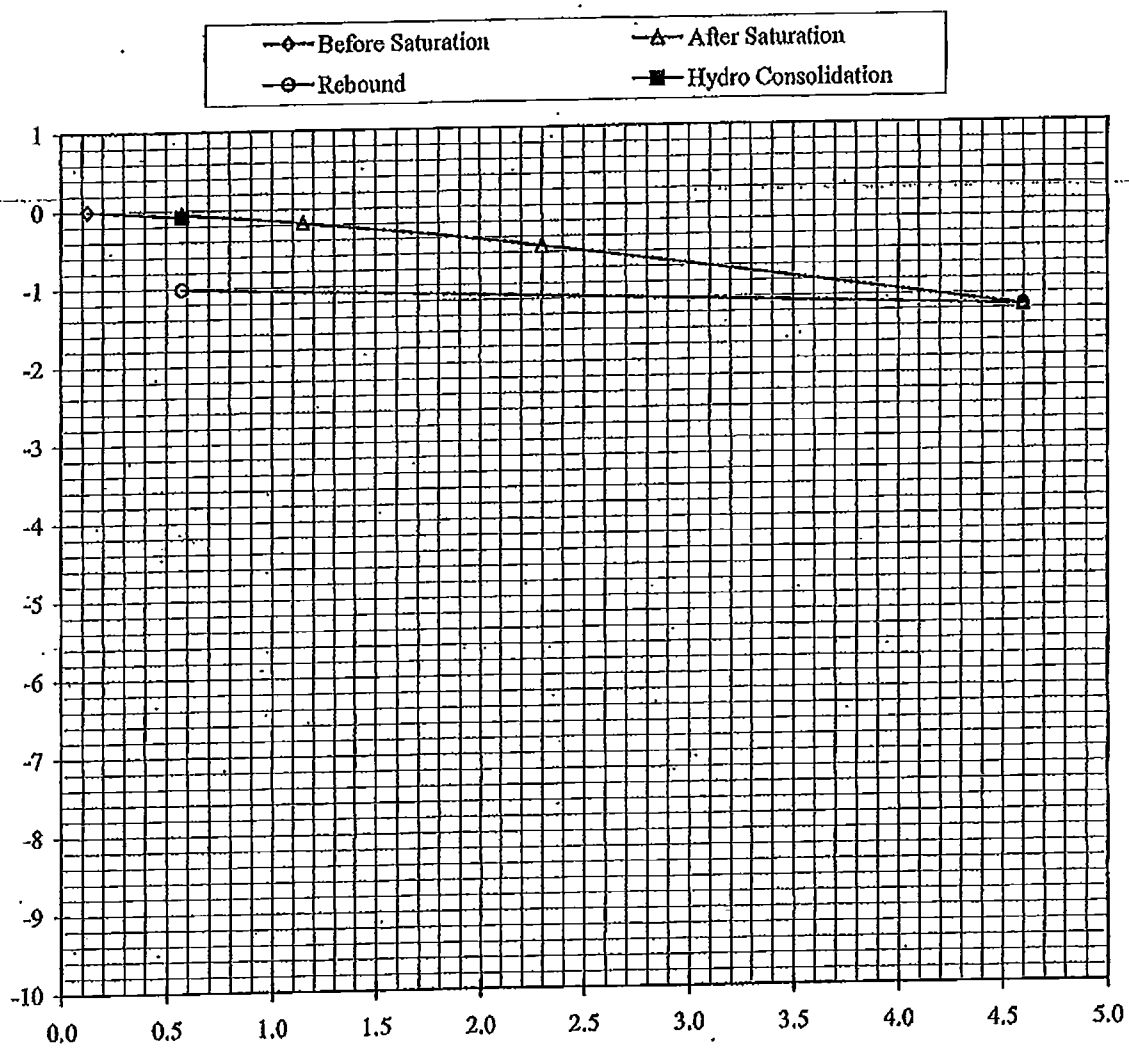
October 11, 2004

Job Number: 444-4194

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 10 @ 10'
Soil Description: Sandy Silt

Initial Dry Density, pcf:	111.0
Initial Moisture, %:	7
Initial Void Ratio:	0.502
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



Maximum Density/Optimum Moisture

ASTM D698/D1557

October 11, 2004

Project Number: 444-4194

Project Name: 7316 E. Gage Ave., Commerce

ASTM D-1557 A
Rammer Type: Manual

Lab ID Number:

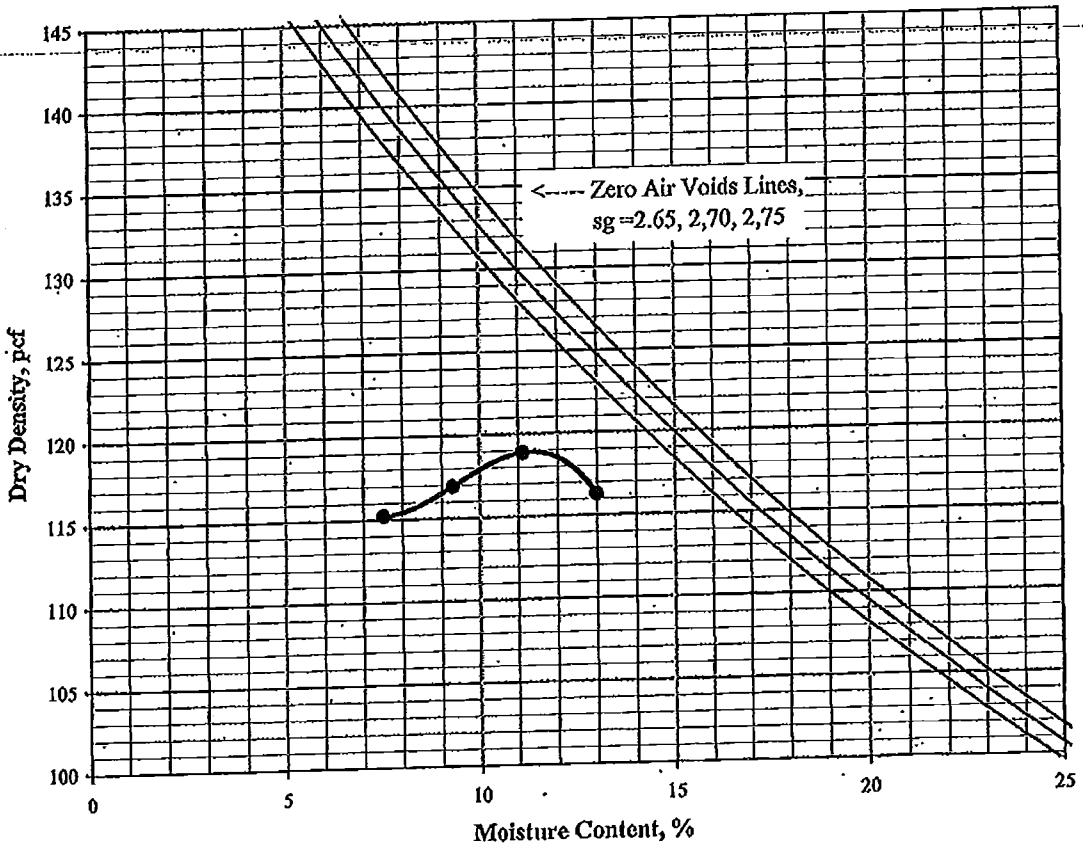
Sample Location: Bulk 6 @ 0-5'

Description: Sandy Silt

Maximum Density: 119 pcf

Optimum Moisture: 11%

Sieve Size	% Retained
3/4"	
3/8"	
#4	0.0



Maximum Density/Optimum Moisture

ASTM D698/D1557

Project Number: 444-4194

October 11, 2004

Project Name: 7316 E. Gage Ave., Commerce

ASTM D-1557 A
Rammer Type: Manual

Lab ID Number:

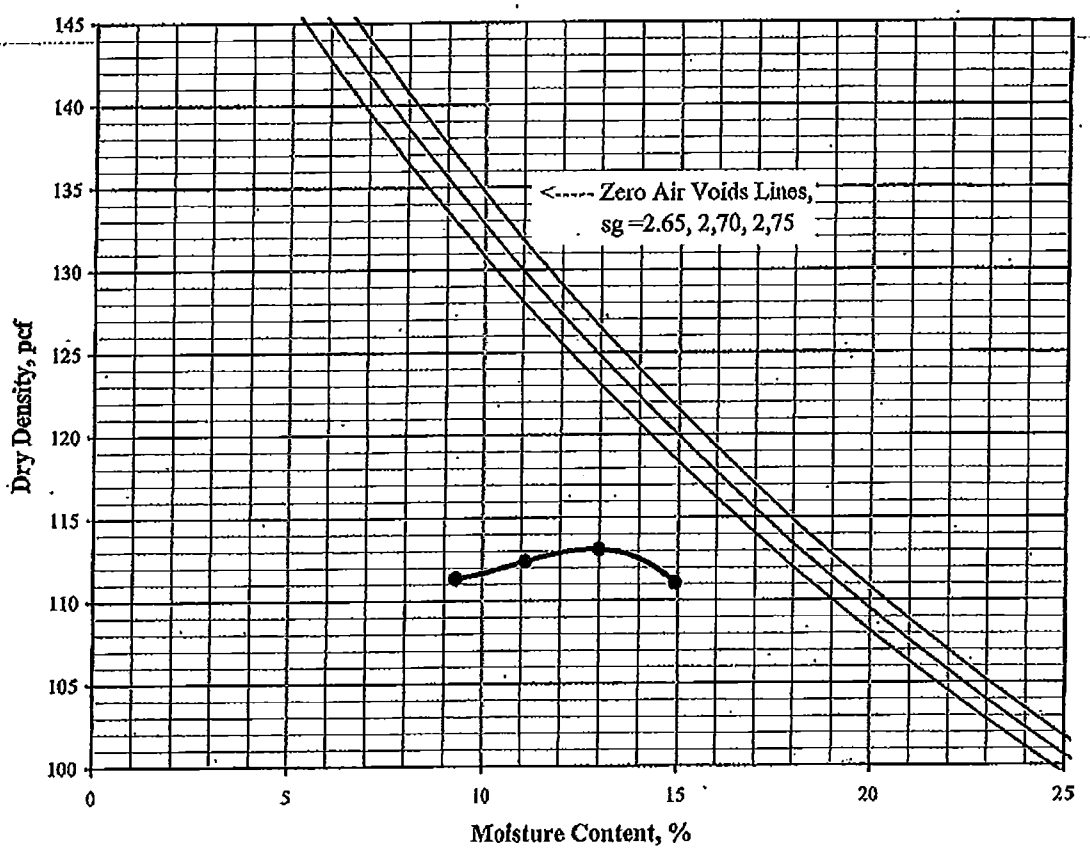
Sample Location: Bulk 10 @ 25 - 30'

Description: Sandy Silt

Maximum Density: 113 pcf

Optimum Moisture: 13%

Sieve Size	% Retained
3/4"	
3/8"	
#4	0.0



Expansion Index

ASTM D 4829/UBC 29-2

Job Number: 444-4194
Job Name: 7316 E. Gage Ave., Commerce
Lab ID:
Sample ID: Bulk 6 @ 0-5'
Soil Description: Sandy Silt

Date: 10/11/2004
Tech: Jake

Wt of Soil + Ring:	585.0
Weight of Ring:	179.0
Wt of Wet Soil:	406.0
Percent Moisture:	9%

Wet Density, pcf:	123.0
Dry Denstiy, pcf:	112.9

% Saturation:	49.3

Expansion	**Rack #**	
Date/Time	10/13/2004	9:00 AM
Initial Reading	0.500	
Final Reading	0.521	

Expansion Index 21

(Final - Initial) x 1000

Revised 12/10/02

EI

Expansion Index

ASTM D 4829/UBC 29-2

Job Number: 444-4194
Job Name: 7316 E. Gage Ave., Commerce
Lab ID:
Sample ID: Bulk 10 @ 25 - 30'
Soil Description: Sandy Silt

Date: 10/11/2004
Tech: Jake

Wt of Soil + Ring:	565.0
Weight of Ring:	179.0
Wt of Wet Soil:	386.0
Percent Moisture:	11%

Wet Density, pcf:	117.0
Dry Denstiy, pcf:	105.4

% Saturation:	49.6

Expansion **Rack #**

Date/Time	10/12/2004	10:00 AM
Initial Reading	0.500	
Final Reading	0.532	

Expansion Index 32

(Final - Initial) x 1000

DATE: 10/05/04

P.O. No. Chain of Custody

Shipper No.

Lab. No. A-5856 1-3

Specification:

Material: SOIL

PROJECT: #444-4194

ANALYTICAL REPORT

CORROSION SERIES
SUMMARY OF DATA

	pH	SOLUBLE SULFATES per CA. 417 ppm	SOLUBLE CHLORIDES per CA. 422 ppm	MIN. RESISTIVITY per CA. 643 ohm-cm
#1 BULK 4 @ 25'-30'	7.4	82	104	2,789
#2 BULK 6 @ 0-4'	6.7	897	96	600 max
#3 BULK 10 @ 0-5'	7.0	66	37	2,759

FORM #2

1997 UNIFORM BUILDING CODE SEISMIC DESIGN INFORMATION

The International Conference of Building Officials (ICBO) 1997 Uniform Building Code contains substantial revisions and additions to the earthquake engineering section in Chapter 16. New concepts contained in the updated code that will likely be relevant to construction of the proposed structures are summarized below.

Ground shaking is expected to be the primary hazard most likely to affect the site, based upon proximity to significant faults capable of generating large earthquakes. Major fault zones considered to be most likely to create strong ground shaking at the site are listed below.

Fault Zone	Approximate Distance From Site	Fault Type (1997 UBC)
Newport/Inglewood	11 km	B
Hollywood/Raymond	9 km	B

Based on our field observations and understanding of local geologic conditions, the soil profile type judged applicable to this site is S_D, generally described as stiff or dense soil. The site is located within UBC Seismic Zone 4. The following table presents additional coefficients and factors relevant to seismic mitigation for new construction upon adoption of the 1997 code.

Seismic Source	Near-Source Acceleration Factor, N_a	Near-Source Velocity Factor, N_v	Seismic Coefficient C_a	Seismic Coefficient C_v
Newport/Inglewood	1.0	1.0	$0.44N_a$	$0.64N_v$
Hollywood/Raymond	1.0	1.0	$0.44N_a$	$0.64N_v$

```
**********************
*                    *
*    E Q F A U L T   *
*                    *
*    Version 3.00    *
*                    *
**********************
```

DETERMINISTIC ESTIMATION OF
PEAK ACCELERATION FROM DIGITIZED FAULTS

JOB NUMBER: 444-4194

DATE: 10-19-2004

JOB NAME: 7316 East Gage Avenue
City of Commerce, California

CALCULATION NAME: Test Run Analysis

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:
SITE LATITUDE: 33.9750
SITE LONGITUDE: 118.1265

SEARCH RADIUS: 100 mi

ATTENUATION RELATION: 5) Boore et al. (1997) Horiz. - SOIL (310)
UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0
DISTANCE MEASURE: cd_2drp
SCOND: 0
Basement Depth: 5.00 km Campbell SSR: Campbell SHR:
COMPUTE PEAK HORIZONTAL ACCELERATION

FAULT-DATA FILE USED: CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km): 0.0

EQFAULT SUMMARY

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi	APPROXIMATE DISTANCE (km)	ESTIMATED MAX. EARTHQUAKE EVENT MAXIMUM EARTHQUAKE MAG. (MW)	ESTIMATED MAX. EARTHQUAKE EVENT PEAK SITE ACCEL. g	ESTIMATED MAX. EARTHQUAKE EVENT EST. SITE INTENSITY MOD.MERC.
ELYSIAN PARK THRUST	0.0	0.0	6.7	0.591	X
COMPTON THRUST	5.4	8.7	6.8	0.385	X
WHITTIER	6.3	10.1	6.8	0.291	IX
NEWPORT-INGLEWOOD (L.A.Basin)	9.3	15.0	6.9	0.238	IX
RAYMOND	10.6	17.1	6.5	0.214	VIII
VERDUGO	10.9	17.6	6.7	0.233	IX
HOLLYWOOD	11.6	18.7	6.4	0.190	VIII
SIERRA MADRE	14.3	23.0	7.0	0.225	IX
SAN JOSE	14.5	23.3	6.5	0.171	VIII
CLAMSHELL-SAWPIT	15.8	25.4	6.5	0.160	VIII
PALOS VERDES	16.9	27.2	7.1	0.172	VIII
SANTA MONICA	17.8	28.6	6.6	0.155	VIII
CHINO-CENTRAL AVE. (Elsinore)	18.3	29.4	6.7	0.160	VIII
SIERRA MADRE (San Fernando)	23.1	37.1	6.7	0.134	VIII
MALIBU COAST	23.6	38.0	6.7	0.132	VIII
NORTHRIDGE (E. Oak Ridge)	24.0	38.6	6.9	0.144	VIII
CUCAMONGA	25.0	40.3	7.0	0.147	VIII
SAN GABRIEL	25.3	40.7	7.0	0.120	VII
NEWPORT-INGLEWOOD (Offshore)	29.2	47.0	6.9	0.102	VII
ELSINORE-GLEN IVY	29.3	47.1	6.8	0.097	VII
SANTA SUSANA	32.1	51.6	6.6	0.099	VII
ANACAPA-DUME	32.6	52.4	7.3	0.141	VIII
SAN ANDREAS - 1857 Rupture	36.2	58.2	7.8	0.139	VIII
SAN ANDREAS - Mojave	36.2	58.2	7.1	0.096	VII
HOLSER	37.3	60.0	6.5	0.093	VII
SAN JACINTO-SAN BERNARDINO	40.1	64.5	6.7	0.072	VI
SAN ANDREAS - San Bernardino	41.3	66.4	7.3	0.097	VII
SAN ANDREAS - Southern	41.3	66.4	7.4	0.102	VII
OAK RIDGE (Onshore)	42.9	69.1	6.9	0.092	VII
SIMI-SANTA ROSA	44.2	71.2	6.7	0.081	VII
CLEGHORN	44.5	71.6	6.5	0.060	VI
SAN CAYETANO	48.4	77.9	6.8	0.080	VII
CORONADO BANK	50.1	80.7	7.4	0.088	VII
ELSINORE-TEMECULA	50.1	80.7	6.8	0.064	VI
SAN JACINTO-SAN JACINTO VALLEY	51.1	82.2	6.9	0.066	VI
NORTH FRONTAL FAULT ZONE (West)	53.6	86.3	7.0	0.082	VII
SAN ANDREAS - Carrizo	54.7	88.0	7.2	0.074	VII
SANTA YNEZ (East)	60.2	96.9	7.0	0.062	VI
OAK RIDGE(Blind Thrust Offshore)	62.9	101.2	6.9	0.069	VI
VENTURA - PITAS POINT	63.5	102.2	6.8	0.065	VI

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi (km)	ESTIMATED MAX. EARTHQUAKE EVENT: MAXIMUM EARTHQUAKE MAG. (Mw)	ESTIMATED MAX. EARTHQUAKE EVENT: PEAK SITE ACCEL. g	ESTIMATED MAX. EARTHQUAKE EVENT: EST. SITE INTENSITY MOD.MERC.
CHANNEL IS. THRUST (Eastern)	65.3(105.1)	7.4	0.087	VII
MONTALVO-OAK RIDGE TREND	68.6(110.4)	6.6	0.055	VI
M.RIDGE-ARROYO PARIDA-SANTA ANA	68.7(110.5)	6.7	0.058	VI
ROSE CANYON	70.9(114.1)	6.9	0.051	VI
SAN JACINTO-ANZA	71.2(114.6)	7.2	0.060	VI
HELENDALE - S. LOCKHARDT	72.0(115.9)	7.1	0.057	VI
RED MOUNTAIN	72.4(116.5)	6.8	0.050	VI
GARLOCK (West)	72.8(117.1)	7.1	0.056	VI
PLEITO THRUST	73.7(118.6)	7.2	0.071	VI
ELSINORE-JULIAN	76.0(122.3)	7.1	0.054	VI
BIG PINE	77.2(124.3)	6.7	0.043	VI
NORTH-FRONTAL FAULT ZONE (East)	77.4 (124.5)	6.7	0.053	VI
SANTA CRUZ ISLAND	79.6(128.1)	6.8	0.054	VI
PINTO MOUNTAIN	80.7(129.8)	7.0	0.049	VI
LENWOOD-LOCKHART-OLD WOMAN SPRGS	83.8(134.8)	7.3	0.056	VI
WHITE WOLF	85.4(137.5)	7.2	0.063	VI
GARLOCK (East)	90.7(146.0)	7.3	0.052	VI
JOHNSON VALLEY (Northern)	91.2(146.7)	6.7	0.038	V
GRAVEL HILLS - HARPER LAKE	91.9(147.9)	6.9	0.042	VI
LANDERS	92.4(148.7)	7.3	0.052	VI
NORTH CHANNEL SLOPE	92.8(149.3)	7.1	0.056	VI
SANTA YNEZ (West)	93.3(150.2)	6.9	0.042	VI
SAN ANDREAS - Coachella	95.0(152.9)	7.1	0.046	VI
BLACKWATER	96.4(155.2)	6.9	0.041	V
CALICO - HIDALGO	98.6(158.7)	7.1	0.044	VI
EMERSON So. - COPPER MTN.	98.9(159.1)	6.9	0.040	V
BURNT MTN.	98.9(159.2)	6.4	0.031	V
SAN JACINTO-COYOTE CREEK	99.4(160.0)	6.8	0.038	V
EUREKA PEAK	99.8 (160.6)	6.4	0.030	V

-END OF SEARCH- 69 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

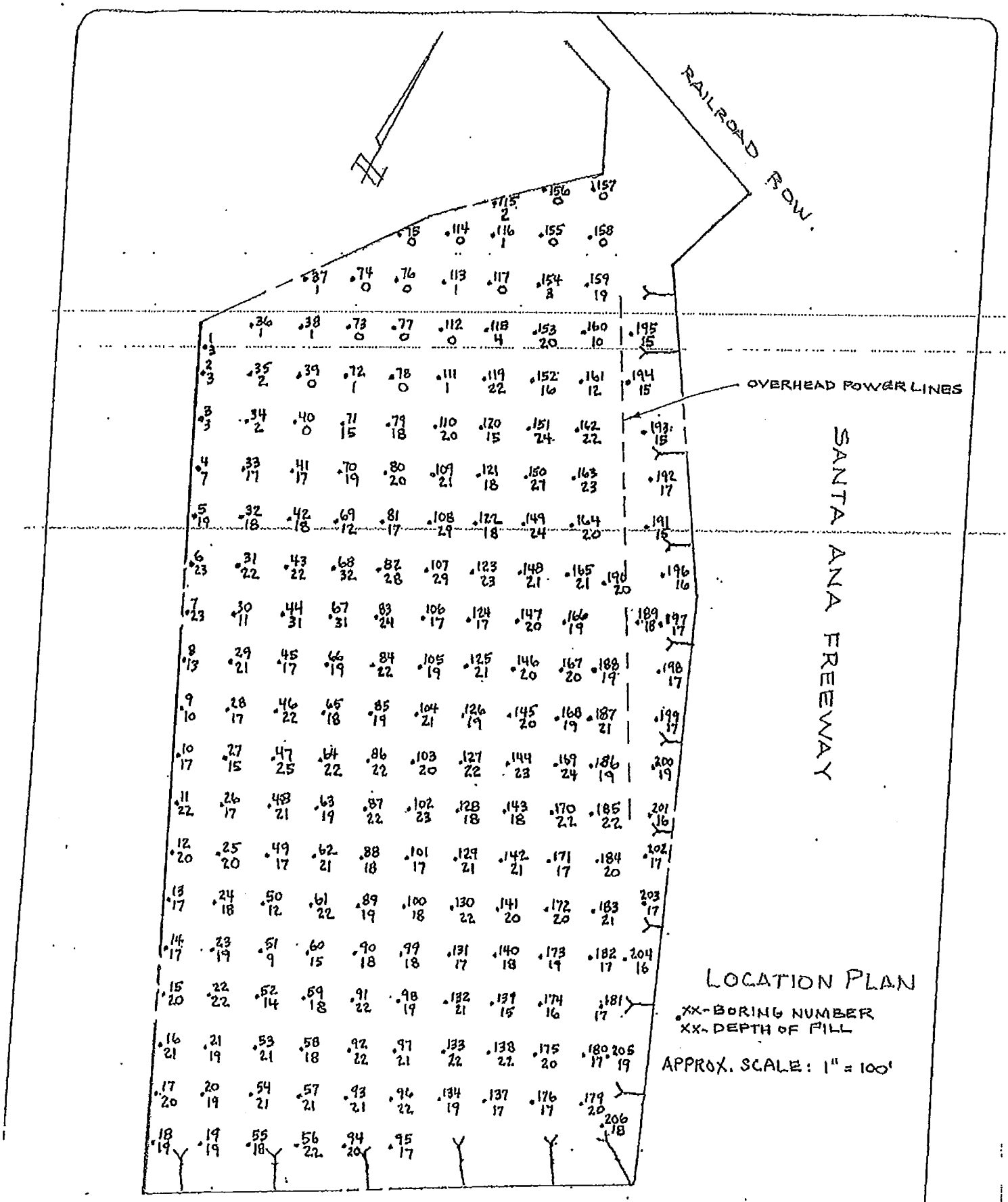
THE ELYSIAN PARK THRUST FAULT IS CLOSEST TO THE SITE.
IT IS ABOUT 0.0 MILES (0.0 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.5910 g

Summarized herein are the results of our supplemental exploratory boring program performed on the site to further evaluate the depth of artificial fill and debris on the subject property. The borings were excavated on an approximately 40 foot grid pattern across the site. The approximate depth of artificial fill and debris is indicated on the attached table and the approximate boring location are indicated on the attached plan.

If you have any questions regarding this memo or the referenced reports, please contact the undersigned.

Respectfully submitted,



FILE: 444-4194

Date	Hole No.	A/C	Base	Clean fill	Debris	Comments
10-1-04	1	2.3"	5"	3'	0	
10-1-04	2	---	---	---	0	
10-1-04	3	4.5"	---	3'	0	
10-1-04	4	3.5"	---	4'	7'	Native Sandy Silt pour is loose
10-1-04	5*	---	---	---	19'	*Geotechnical Boring #2
10-1-04	6	4"	3"	4'	23'	
10-1-04	7	3½'	---	3½'	23'	
10-1-04	8	5"	---	2½'	13'	
10-5-04	9	4.5"	---	3'	10'	Slightly-Trashy 3-4½ wood
10-5-04	10	Broken Pieces Concrete		2½'	17'	
10-5-04	11	4.25"	---	3'	22'	Several layers of soil between trash
10-5-04	12	3.5"	---	6'	20'	Upper 6' little debris
10-5-04	13	4.0"	---	2'	17'	
10-5-04	14	5.0"	---	2'	17'	
10-5-04	15	8.0"	---	2½'	20'	
10-5-04	16*	---	---	---	21'	*Geotechnical Boring #3
10-5-04	17	2½"	3"	2'	20'	
10-5-04	18	2"	---	2'	19'	
10-5-04	19	4"	---	18"	19'	
10-5-04	20	6"	---	2'	19'	
10-5-04	21	4.5"	---	2'	19'	
10-5-04	22	5.0"	5.0"	2'	22'	
10-6-04	23	3.0"	11.0"	18"	19'	
10-6-04	24	3.5"	9.0"	1'	18'	6' of wood, 18"-6' chunks of plastic
10-6-04	25	2.5"	15"	7'	19.5'	1'-3' Silty Sand w/ chucks of plastic
10-6-04	26	2"	15"	3'	17'	
10-6-04	27	---	18"	2'	15'	1½" Crushed Rock (Rail Road)
10-6-04	28	---	2½'	3'	17'	Refusal 3 pulls w/wire no depth
10-6-04	29*	---	---	---	21'	*Geotechnical Boring #4
10-6-04	30	---	3'	3+'	11'	Little Trash at 3-11'
10-6-04	31	---	1.5'	3'	22'	Lot of Tires @ 16'
10-6-04	32	---	1.5'	5'	18'	
10-6-04	33	---	1.5'	6'	17'	
10-6-04	34	3"	4"	2'	0	
10-6-04	35	3"	4"	2'	0	Native Brown Sandy Silt trace of clay
10-6-04	36	2"	6.5"	1'	0	Native Brown Sandy Silt trace of clay
10-6-04	37	2.5"	4"	1'	0	Native Brown Sandy Silt trace of clay
10-6-04	38	2.5"	1.5"	1'	0	Native Brown Sandy Silt trace of clay
10-6-04	39	6.0"	1.5"	---	0	Native Brown Sandy Silt trace of clay
10-6-04	40	2"	5"	---	0	Grey Sand
10-6-04	41	2"	5"	4'	17'	
10-7-04	42	2"	7"	2'	18'	Moved Hole 10' east due to concrete scrap
10-7-04	43	---	---	6'	22'	1-4' pieces of concrete
10-7-04	44	---	---	3'	31'	N/G Sand moist

Date	Hole No	A/C	Base	Clean Fill	Debris	Comments
10-7-04	45	---	12"	7'	17'	4-5' Little Trashy, 5-7' clean, 5 trash
10-7-04	46	---	---	3'	22'	
10-7-04	47	---	---	5'	23'	Rocky/Concrete 0-2"
10-7-04	48	---	---	4'	12'	
10-7-04	49	---	---	5'	17'	
10-7-04	50	2"	5"	3'	12'	
10-7-04	51	9"	3"	4'	9'	
10-7-04	52	8"	---	2'	14'	
10-7-04	53	4"	6"	1'	21'	
10-7-04	54	5"	---	1'	21'	
10-8-04	55	3½"	---	6"	18'	2 Refusal @ 1' and 3½'
10-8-04	56	3½"	---	6"	22'	
10-8-04	57	3"	7"	6"	21'	
10-8-04	58	6½"	3"	6"	18'	
10-8-04	59	10"	4"	6"	18'	
10-11-04	60	11"	5"	2'	15'	
10-11-04	61	2"	5"	2.5'	22'	
10-11-04	62	2.5"	---	2'	15'	
10-11-04	63	---	---	3'	19'	
10-11-04	64	---	---	6'	22'	
10-11-04	65	---	---	3'	18'	
10-11-04	66	---	---	6'	19'	
10-11-04	67	---	---	6'	31'	Sandy Clay Grey
10-11-04	68	---	---	3'	32'	
10-11-04	69	4"	5"	3.5'	12'	
10-12-04	70	5"	3.5"	6"	19'	
10-12-04	71	3"	3"	2'	15'	
10-12-04	72	2"	5"	1'	1'	
10-12-04	73	3"	2.5"	---	0	Native Sandy Silty Clay-Brown
10-12-04	74	---	---	---	0	Native Sandy Silty Clay-Brown
10-12-04	75	---	---	---	0	Native Sandy Silty Clay-Brown
10-12-04	76	3"	6"	---	0	Native Sandy Silty Clay- Brown
10-12-04	77	3.5"	3.5"	---	0	Native Sandy Silty Clay- Brown
10-12-04	78	4"	3"	---	0	Native Silty Sand Light Brown
10-12-04	79	3"	3"	3'	18'	Oil Contamination Smell
10-12-04	80	2.5"	2.5"	1'	20'	
10-12-04	81	---	---	1'	17'	
10-12-04	82	---	---	5'	28'	
10-12-04	83	---	---	3'	24'	Gravel/Rock @0-2'
10-12-04	84	---	---	5'	22'	Gravel/Rock @ 0-2'
10-12-04	85	---	---	5'	19'	
10-12-04	86	---	---	5'	22'	
10-13-04	87	---	---	7'	22'	3-4' Little Trashy
10-13-04	88	---	---	4'	18'	
10-13-04	89	3"	8"	2.5'	19'	
10-13-04	90	7"	3"	1'	18'	

Date	Hole No	AC	Base	Clean fill	Debris	Comments
10-13-04	91	5"	7"	1.5'	19'	
10-13-04	92	4"	2"	1'	22'	
10-13-04	93	12"	---	2'	21'	
10-13-04	94	---	---	---	20'	Old Boring
10-13-04	95*	---	---	---	17'	*Geotechnical Boring #4
10-13-04	96	3"	10"	1.5'	22'	4.5" AC- 10" Gage- 3" AC
10-13-04	97	12.5"	---	2'	21'	1st Hole Terminated @ 7'
10-13-04	98	12"	---	2'	19'	
10-13-04	99	6"	3"	2'	18'	
10-13-04	100*	---	---	---	18'	*Geotechnical Boring #5
10-13-04	101	---	---	5'	17'	
10-13-04	102	---	---	6'	23'	
10-13-04	103	---	---	5'	20'	
10-13-04	104	---	---	12'	21'	
10-13-04	105	---	---	5'	19'	
10-14-04	106	---	---	4'	17'	
10-14-04	107	---	---	3'	29'	Grey Sandy Silty Native
10-14-04	108*	---	---	---	29	*Geotechnical Boring #1
10-14-04	109	---	---	4'	21'	
10-14-04	110	---	---	---	20'	Old Boring
10-14-04	111	3"	5"	1'	0	Native Brown Sandy Silt
10-14-04	112	4"	3"	---	0	Native Brown Sandy Silt
10-14-04	113*	---	---	1'	0	*Geotechnical Boring #9
10-14-04	114	---	---	---	0	Native Brown Sandy Silt
10-14-04	115	---	---	1.5'	0	Old Boring- Native Brown Sandy Silt
10-14-04	116	3"	4"	1'	0	Native Brown Sandy Silt
10-14-04	117	3"	4"	---	---	Native Brown Sandy Silt
10-14-04	118	---	---	3.5'	0	Native Brown Sandy Silt
10-14-04	119	---	---	7'	22'	4-7' Gravel/Rock
10-14-04	120	---	---	2'	15'	
10-14-04	121	3"	3"	2.5'	18'	
10-14-04	122	---	---	1'	18'	
10-14-04	123	---	---	4'	23'	
10-14-04	124	---	---	3'	21'	
10-14-04	125	---	---	3'	21'	
10-14-04	126	---	---	3'	19'	
10-14-04	127	---	---	---	22'	Old Boring
10-14-04	128	---	---	3'	18'	
10-14-04	129	3"	5"	2'	21'	10" AC/5" Base/3" AC
10-14-04	130	3"	4.5"	2'	22'	
10-15-04	131	4"	6.5"	2'	17'	No Base 6.5" Concrete
10-15-04	132	6"	2"	1.5'	21'	
10-15-04	133	3.5"	6.5"	3'	22'	
10-15-04	134	2"	---	2.5'	19'	
10-15-04	135	No Boring				Location @ East Slope
10-15-04	136	No Boring				Location @ East Slope

Date	Hole No	A/C	Base	Clean Fill	Debris	Comments
10-15-04	137	3"	---	5'	17'	Little Trash 3-5'
10-15-04	138	4"	---	3'	22'	
10-15-04	139	1.5"	---	2'	15'	
10-21-04	140	4.5"	---	1.5'	18'	
10-21-04	141	4"	6"	2'	20'	
10-21-04	142	4"	4"	1'	21'	
10-18-04	143	2.5"	7"	1.5'	18'	
10-18-04	144	---	---	3'	23'	
10-18-04	145	---	---	4'	20'	
10-18-04	146	---	---	2.5'	20'	
10-18-04	147	---	---	2.5'	20'	
10-18-04	148	---	---	3'	21'	
10-18-04	149	---	---	2'	24'	
10-18-04	150	---	---	1.5'	27'	
10-18-04	151	3"	3"	---	24'	
10-18-04	152	---	---	1'	16'	
10-18-04	153	---	---	8'	20'	
10-18-04	154	---	---	3'	0	
10-18-04	155	3"	2.5"	---	0	
10-18-04	156	---	---	---	0	
10-18-04	157	No Boring				Driveway/Utilities
10-18-04	158	3"	5"	---	0	
10-18-04	159	3"	4"	3'	19'	
10-19-04	160*	3"	4"	---	10'	*Geotechnical Boring # 8
10-19-04	161	3"	4"	1'	12'	
10-19-04	162	3"	5"	1'	22'	
10-19-04	163	3"	5.5"	1.5'	23'	
10-19-04	164	3.5"	5"	---	20'	
10-19-04	165	4"	2.5"	1'	21'	
10-19-04	166	---	---	2'	19'	
10-19-04	167	---	---	2'	20'	
10-19-04	168	5"	4"	1'	19'	
10-19-04	169	3"	6"	2'	24'	
10-19-04	170	3.5"	6"	2'	22'	
10-19-04	171	2.5"	8.5"	1'	17'	
10-19-04	172	3.5"	8.0"	15.5'	20'	
10-19-04	173	3.5"	7"	3'	19'	
10-19-04	174	3"	---	2.5'	16'	
10-19-04	175	---	---	---	20'	
10-19-04	176	2"	---	3'	28'	Little Trash Upper 12"
10-19-04	177	No Boring				Slope @ East End
10-19-04	178	No Boring				Slope @ East End
10-19-04	179	6.5"	---	6'	20'	Gravel @ 3'
10-20-04	180	4.5"	1"	2'	17'	
10-20-04	181*	---	---	---	17'	*Geotechnical Boring #6
10-20-04	182	4.5"	1"	2'	17'	

APPENDIX B

TRENCH LOGS

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 5/8/13

TRENCH ID: T 1

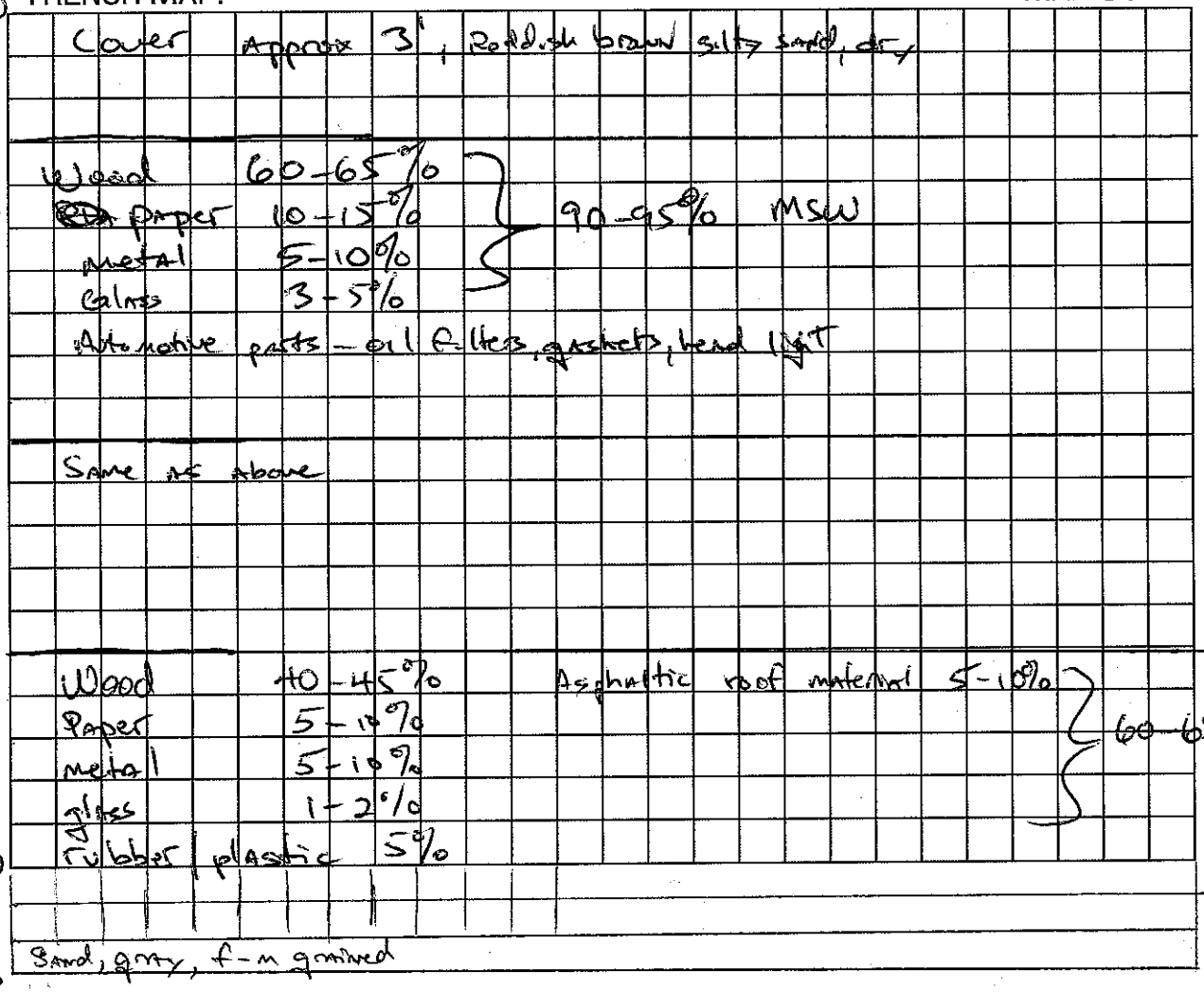
TIME: 1409

SAMPLER: JF/AR

WEATHER: clear

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

HC odor PID up to 52 ppm @ 4.0

Upper 10 feet of material were detectable VOC on PID

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 5/8/13

TRENCH ID: T2

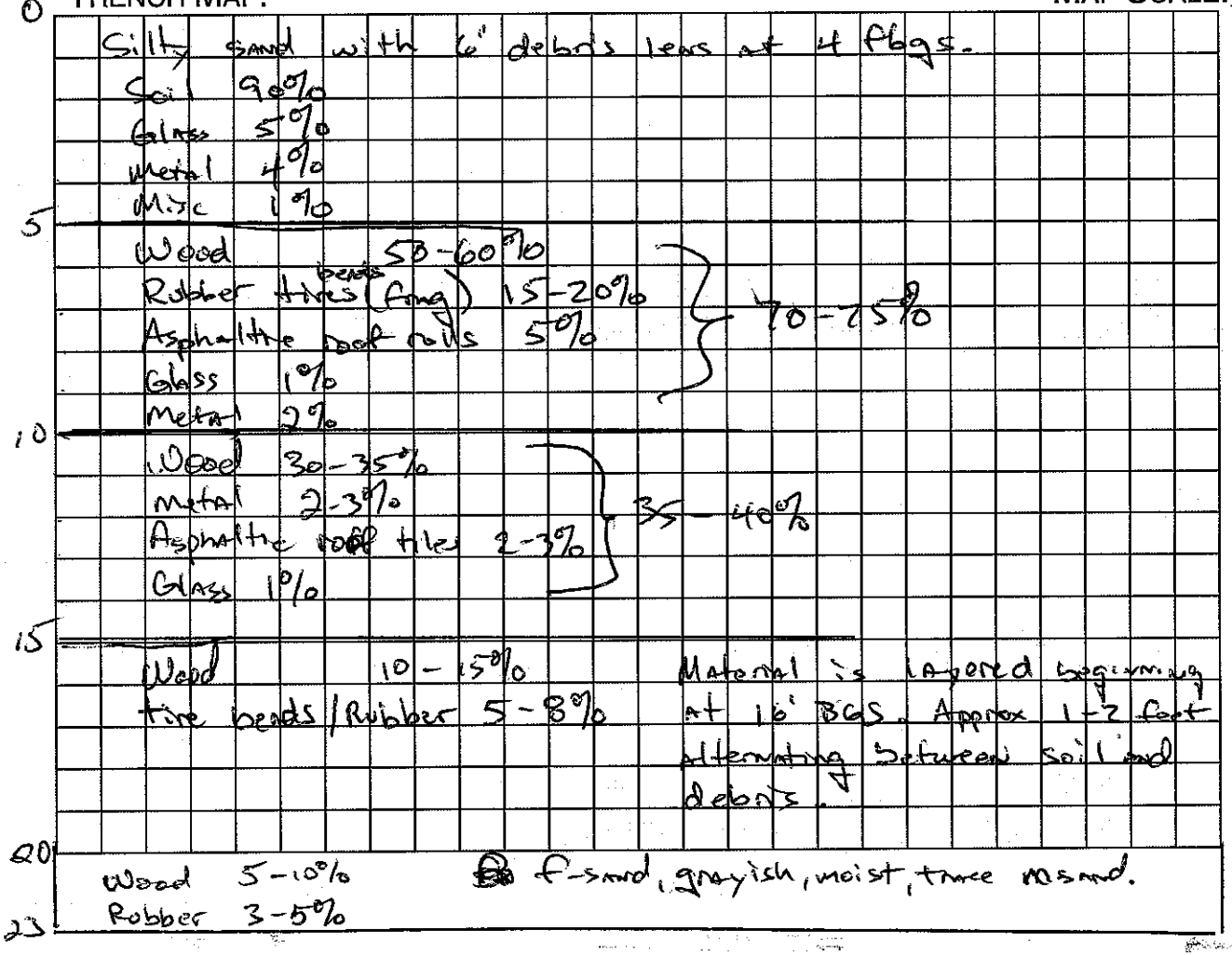
TIME: 12:55

SAMPLER: JF/AR

WEATHER: Cloudy

TRENCH MAP:

MAP SCALE: 33° 58' 24" N, 118° 7' 30" W



FIELD_NOTES

Stockpile

CH_4 - 100 - 500 ppm

CO_2 - 150 - 1000 ppm

O_2 - 20.9%

No H_2S

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 5-8-13

TRENCH ID: T3

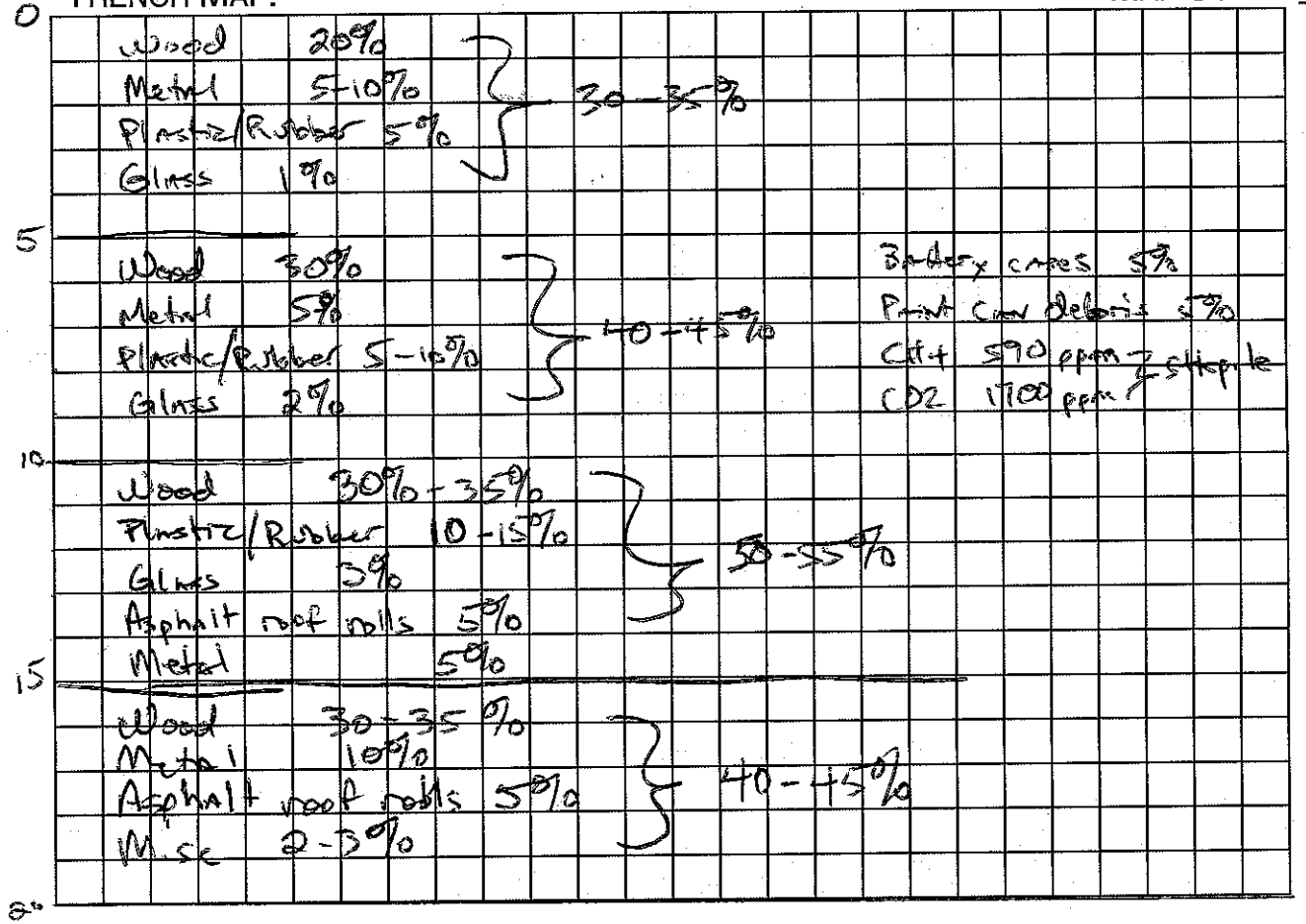
TIME: 10:55

SAMPLER: JF/AR

WEATHER: Cloudy

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

California Integrated Waste Management Board

TRENCH LOG

SITE: Gage Ave Landfill

DATE: 5-8-13

TRENCH ID: T4

TIME: 7:15

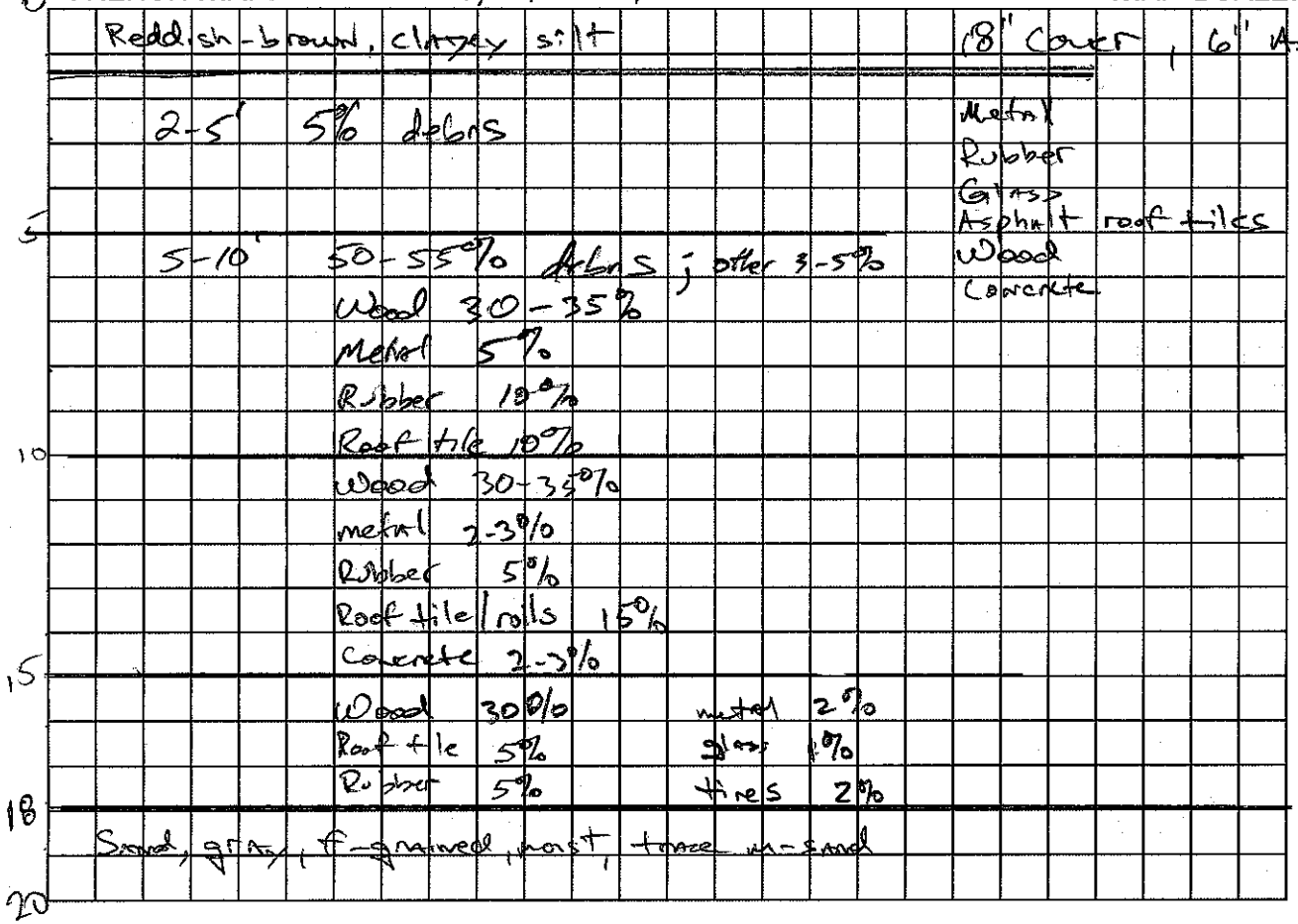
SAMPLER: NF/AR

WEATHER: Cloudy

33°58'22"N, 118°7'27"W

TRENCH MAP: No CH_4, CO, VOC's, 20.9%

MAP SCALE:



FIELD_NOTES

Multiple palms tree trunks laying horizontal at 15 ft bg.

CO_2 from 300-750 ppm while excavating. O_2 20.9%

No CH_4, H_2S

-fine sand at ~18 ft bg, grayish, moist, occasional med sand

California Integrated Waste Management Board

TRENCH LOG

SITE: Gange Ave Landfill

DATE: 5-8-13

TRENCH ID: T5

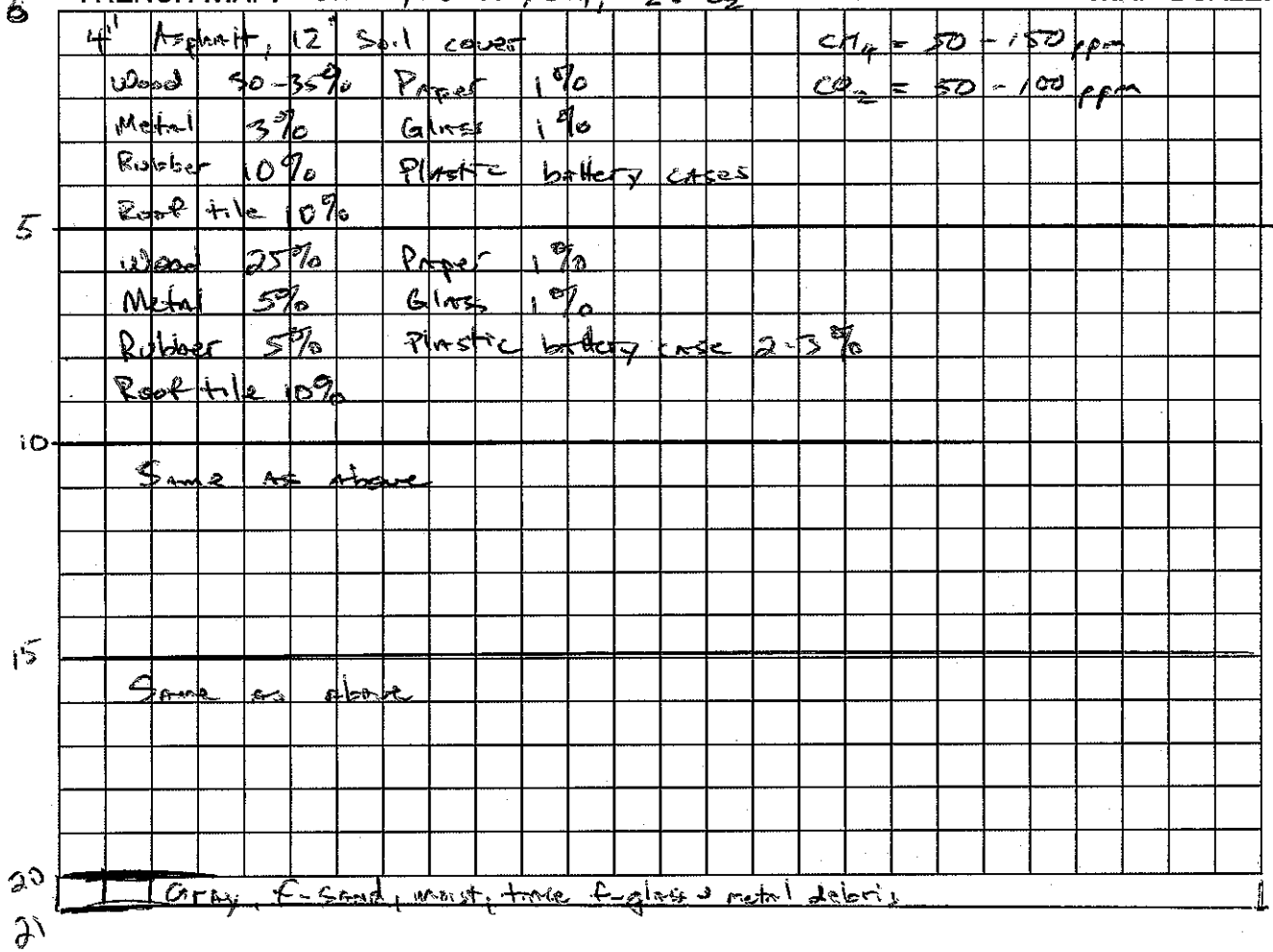
TIME:

SAMPLER: JF/AR

WEATHER: Clear

TRENCH MAP: Start, no VOC, CH_4, CO_2 - O_2 20.9%

MAP SCALE: 33° 58' 21" N, 118° 7' ~~33~~ 29" W



CH_4 = 50 - 150 ppm

CO_2 = 50 - 100 ppm

FIELD_NOTES

CH_4 stockpile 50 - 300 ppm

CO_2 " " 50 - 170 ppm

APPENDIX C

OFFICIAL LABORATORY REPORT AND CHAIN OF CUSTODY RECORDS

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 05/17/2013

James Ferrara

TRC
123 Technology Drive
Irvine, CA 92618

Project:	Gage Ave Landfill
BC Work Order:	1309783
Invoice ID:	B146426

Enclosed are the results of analyses for samples received by the laboratory on 5/9/2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page 1 of 2

Report To:
Client: TRC
Attn: JAMES FERRARA
Street Address: 123 TECHNOLOGY DR
City, State, Zip: IRVINE, CA 92618
Phone: 949-727-9336 Fax:
Email Address: JFerrara@TRCSolutions.com DLennon@TRCSolutions.com
Work Order #: 13-09783

Project #: 203004.0002.0000
Project Name: GAGE AVE LANDFILL
Global ID #:
Sampler(s): J. FERRARA, A. RAMIREZ

Analysis Requested

Comments:

Please refer to the back of this page for description and method legend.

Sample #	Description	Date Sampled	Time Sampled	EPA 8015C – Carbon Chain	EPA 8015C – Oxygenates	Pesticides & PCBs – Chlorinated	EPA 8260 – Purgeable	Halogenated & Aromatics	EPA 8270 – Acid Extractables	and Base Neutrals	Luft Method – TPH(Gas)	TTLC (+ Retain)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	# Containers	Other	Turnaround # of work days*	Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No	Notes
1	T4-5 -1	05/08/13	0730	X	X	X	X	X	X				X					2		*		
2	T4-10 -2		0755										X					2				
3	T4-15 -3		0835										X					2				
4	T4-18 -4		0900										X					2				
5	T5-5 -5		0920										X					2				
6	T5-10 -6		0935										X					2				
7	T5-15 -7		0945										X					2				
8	T5-21 -8		1000										X					2				
9	T3-5 -9		1100										X					2				
10	T3-10 -10		1105										X					2				
11	T3-15 -11		1115										X					2				
12	T3-20 -12		1130										X					2				
13	T2-5 -13		1300										X					2				
14	T2-10 -14		1305										X					2				

SHIP BY DISTRIBUTION
KIO SUB OUT

Billing
☐ Same as above
Client: TRC
Address: 123 Technology Drive W
City: Irvine State CA Zip 92618
Attn: David Lennon
PO#:

Report Drinking Waters on State Form? ☐ Yes ☒ No
Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	5/9/13	1350	[signature]	5/9/13	1440
2.	[signature]	5/9/13	1845	KOR	5/9/13	1845
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page 2 of 2

Report To:
Client: TRC
Attn: JAMES FERRARA
Street Address: 123 TECHNOLOGY DR
City, State, Zip: IRVINE, CA 92618
Phone: 949-727-9336 Fax:
Email Address: JFerrara@TRCSolutions.com
Work Order #: 13-09783

Project #: 203064.0002.0000
Project Name: GAGE AVE LANDFILL
Global ID #:
Sampler(s): J. FERRARA, A. RAMIREZ

Analysis Requested

Comments: Please refer to the back of this page for description of abbreviations and method legend.

Sample #	Description	Date Sampled	Time Sampled	EPA 8081 - Organo-Chlorine Pesticides & PCBs	EPA 8260 - Purgeable Halocarbons	EPA 8270 - Acid Extractables and Base Neutrals	Luft Method TPH (Gas)	TTLC (17 Metals)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	# Containers: Other	Turnaround # of work days*	Notes
15	T2-15 -15	05/08/13	1318	X	X	X	X	X	X					2	*	
16	T2-16 -16		1325						X					2		Hold
17	T2-23 -17		1342	X	X	X	X	X	X					2		Hold
18	T1-5 -18		1422						X					2		
19	T1-10 -19		1434						X					2		
20	T1-15 -20		1443						X					2		
21	T1-20 -21		1450						X					2		
22	T1-23 -22		1503						X					2		Hold

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

Billing ☐ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

Report Drinking Waters on State Form? ☐ Yes ☒ No

Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.		5/9/13	1350		5/9/13	1400
2.		5/9/13	1845	KOR	5/9/13	1845
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 1 Of 4

ubmission#: 13-09783

SHIPPING INFORMATION
ederal Express ☐ UPS ☐ Hand Delivery ☐
C Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

efrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207 Date/Time 5/9/13

Temperature: (A) 1.6 °C / (C) 1.7 °C Analyst Init KIQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	x2	13 x	14 x	15 x	16 x	17 x	18 x	19 x	20 x	no 21
GENERAL MINERAL/ GENERAL PHYSICAL										
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
. NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
ml VOA VIAL TRAVEL BLANK										
ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
EPA 413.1, 413.2, 418.1										
ODOR										
DIOLOGICAL										
CTERIOLOGICAL										
ml VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
AMBER										
Z. JAR										
OZ. JAR	AB	A	AB	A	AB	A	A	AB	A	A
L SLEEVE										
3 VIAL										
ASTIC BAG										
ROUS IRON										
CORE										
ART KIT										

mments:_____

ple Numbering Completed By: KIQ Date/Time: 5/10/13 @ 1710

Actual / C = Corrected

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C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 2 Of 4

ubmission-#: 13-09783

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
C Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

etrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207

Temperature: (A) 1.6 °C / (C) 1.7 °C

Date/Time 5/9/13

Analyst Init KIQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	22r	2	3	4	5	6	7	8	9	10
GENERAL MINERAL/ GENERAL PHYSICAL										
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
. NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
al VOA VIAL TRAVEL BLANK										
al VOA VIAL										
EPA 413.1, 413.2, 418.1										
ODOR										
DIOLOGICAL										
CTERIOLOGICAL										
ml VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
AMBER										
Z. JAR 1602	AB									
OZ. JAR										
L SLEEVE										
B VIAL										
STIC BAG										
ROUS IRON										
CORE										
ART KIT										

mments:

ple Numbering Completed By: KIQ Date/Time 5/10/13 @ 1710

Acted Cor Corrected

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Chain of Custody and Cooler Receipt Form for 1309783 Page 5 of 6

C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 3 Of 4

ubmission #: 13-09783

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
C Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

efrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207

Temperature: (A) 3.3 °C / (C) 3.4 °C

Date/Time 5/9/13

Analyst Init KLQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2 3	4	5	6	7	8	9	10	11
GENERAL MINERAL/ GENERAL PHYSICAL										
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
ml VOA VIAL TRAVEL BLANK										
ml VOA VIAL										
EPA 413.1, 413.2, 418.1										
ODOR										
BIOLOGICAL										
CTERIOLOGICAL										
ml VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
AMBER										
Z. JAR 16oz	AB									
OZ. JAR		AB	AB	AB	AB	AB	AB	AB	AB	AB
L SLEEVE										
VIAL										
STIC BAG										
ROUS IRON										
CORE										
ART KIT										

ments:

ple Numbering Completed By: KLQ Date/Time: 5/10/13 @ 1710

Actual / C = Corrected

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Chain of Custody and Cooler Receipt Form for 1309783 Page 6 of 6

C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 4 of 4

ubmission-#: 13-09783

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
C Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

ll samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207

Temperature: (A) 3.3 °C / (C) 3.4 °C

Date/Time 5/9/13

Analyst Init KIQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	12	13	15	17	18	20	21	8	9	10
T GENERAL MINERAL/ GENERAL PHYSICAL										
T PE UNPRESERVED										
T INORGANIC CHEMICAL METALS										
T INORGANIC CHEMICAL METALS										
T CYANIDE										
T NITROGEN FORMS										
T TOTAL SULFIDE										
z. NITRATE / NITRITE										
T TOTAL ORGANIC CARBON										
T TOX										
T CHEMICAL OXYGEN DEMAND										
A PHENOLICS										
ml VOA VIAL TRAVEL BLANK										
ml VOA VIAL										
T EPA 413.1, 413.2, 418.1										
T ODOR										
ADIOLOGICAL										
ACTERIOLOGICAL										
ml VOA VIAL- 504										
T EPA 508/608/8080										
T EPA 515.1/8150										
T EPA 525										
T EPA 525 TRAVEL BLANK										
0ml EPA 547										
0ml EPA 531.1										
T EPA 548										
T EPA 549										
T EPA 632										
T EPA 8015M										
T AMBER										
OZ. JAR										
OZ. JAR	AB	B	B	B	B	B	B			
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
NCORE										
MART KIT										

mments:

mple Numbering Completed By: KIQ Date/Time 5/10/13 @ 1710

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-01	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 07:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T4-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T4
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-02	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 07:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T4-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T4
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-03	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 08:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T4-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T4
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1309783-04	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T4-18	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T4
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-05	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:20
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T5-5	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T5
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-06	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:35
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T5-10	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T5
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-07	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 09:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T5-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T5
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-08	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 10:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T5-21	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T5
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-09	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-10	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-11	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-12	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-20	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-13	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-14	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-15	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:18
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-16	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-16	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-17	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:42
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-23	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-18	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 14:22
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T1-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-19	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 14:34
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T1-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-20	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 14:43
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T1-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-21	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 14:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T1-20	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

1309783-22

COC Number: ---
Project Number: Gage Ave Landfill
Sampling Location: ---
Sampling Point: T1-23
Sampled By: TRCI

Receive Date: 05/09/2013 18:45
Sampling Date: 05/08/2013 15:03
Sample Depth: ---
Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:
Global ID:
Location ID (FieldPoint): T1
Matrix: SO
Sample QC Type (SACode): CS
Cooler ID:

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00076	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**1.6**	**mg/kg**	**0.10**	**0.013**	**EPA-8080**	ND		2
4,4'-DDE	**0.19**	**mg/kg**	**0.10**	**0.0090**	**EPA-8080**	ND		2
4,4'-DDT	ND	mg/kg	0.0050	0.00031	EPA-8080	ND	A10	1
Dieldrin	**0.56**	**mg/kg**	**0.10**	**0.0064**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	104	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	66.3	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 20:59	VH1	GC-14	10	BWE1140
2	EPA-8080	05/13/13	05/16/13 21:30	VH1	GC-14	200	BWE1140

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 14:22	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	2.0	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	59	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	2.0	0.24	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	2.0	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.8	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**0.95**	**mg/kg**	**3.9**	**0.84**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDD	**2.1**	**mg/kg**	**2.0**	**0.33**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	2.0	0.61	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.8	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Fluorene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.0	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	59	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	2.0	0.73	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Pyrene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	2.0	0.69	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.8	0.24	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.8	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.65	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	65.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	72.2	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	73.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	78.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	50.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	80.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 17:45	SKC	MS-B2	19.608	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.43**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**15**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**17**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**52**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**100**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**140**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**390**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**270**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**240**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**48**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**61**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	2
TPH (Total)	**1300**	**mg/kg**	**39**	**9.1**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	72.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 18:52	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 17:39	MWB	GC-13	3.896	BWE1160

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.53	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	210	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.4	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	76	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	9.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	490	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	800	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.24	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	5.4	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	57	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	5.0	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.64	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	35	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	430	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 12:54	JRG	PE-OP2	0.971	BWE1099
2	EPA-7471A	05/14/13	05/14/13 11:45	MEV	CETAC1	0.977	BWE1022

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0099	0.00051	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0099	0.0028	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0099	0.0075	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0099	0.0015	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0099	0.0049	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.99	0.30	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0099	0.0012	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0099	0.00089	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0099	0.00061	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0099	0.00063	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0099	0.0017	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0099	0.0013	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0099	0.0026	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0099	0.00069	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0099	0.0012	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0099	0.0051	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0099	0.0030	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0099	0.0026	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.99	0.15	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.20	0.053	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.20	0.099	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.20	0.032	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.20	0.015	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.20	0.043	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.20	0.099	EPA-8080	ND	A10	1
TCMX (Surrogate)	195	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	95.1	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 21:45	VH1	GC-14	19.737	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0021**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0012**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.014**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 01:59	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Aldrin	ND	mg/kg	3.9	0.94	EPA-8270C	ND		1
Aniline	ND	mg/kg	7.8	2.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.6	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	3.9	0.47	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	3.9	0.58	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	3.9	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	19	2.6	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	7.8	1.7	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	3.9	1.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	3.9	0.58	EPA-8270C	ND		1
Chrysene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	7.8	0.26	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	3.9	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	3.9	0.86	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	7.8	0.78	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	7.8	0.82	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
Endrin	ND	mg/kg	7.8	0.97	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	19	0.86	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
Fluorene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	3.9	2.8	EPA-8270C	ND		1
Isophorone	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.2	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	7.8	0.58	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	7.8	0.97	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	3.9	0.58	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	3.9	1.4	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Pyrene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	7.8	0.86	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	3.9	1.4	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	19	0.47	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	19	0.30	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	7.8	0.70	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	7.8	0.51	EPA-8270C	ND		1
Phenol	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	7.8	0.70	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	7.8	0.66	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	53.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	56.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	58.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	74.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 18:11	SKC	MS-B2	38.961	BWE1145

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.74**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	3.9	2.0	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	3.9	2.0	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**38**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**21**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**44**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**76**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**130**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**400**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**280**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**270**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**51**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**54**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	3.9	2.0	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**39**	**9.1**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	119	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 19:23	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 19:39	MWB	GC-13	3.922	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	4.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	8.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	240	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.7	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	79	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	10	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	270	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	380	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.75	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	4.3	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	51	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.6	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	1.6	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.81	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	590	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:00	JRG	PE-OP2	0.962	BWE1099
2	EPA-7471A	05/14/13	05/14/13 11:55	MEV	CETAC1	0.977	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.014	0.00075	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.014	0.0040	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.014	0.011	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.014	0.0022	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.014	0.0072	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	1.4	0.43	EPA-8080	ND	A10	1
4,4'-DDD	**0.15**	**mg/kg**	**0.014**	**0.0018**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.014	0.0013	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.014	0.00089	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.014	0.00092	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.014	0.0025	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.014	0.0019	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.014	0.0038	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.014	0.0010	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.014	0.0018	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.014	0.0075	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.014	0.0043	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.014	0.0038	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	1.4	0.21	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.29	0.078	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.29	0.14	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.29	0.035	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.29	0.047	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.29	0.035	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.29	0.022	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.29	0.063	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.29	0.14	EPA-8080	ND	A10	1
TCMX (Surrogate)	108	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	213	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 23:00	VH1	GC-14	28.846	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0075**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0013**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0066**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0014**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.0049**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.018**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0019**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0083**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	**0.011**	**mg/kg**	**0.010**	**0.0034**	**EPA-8260B**	ND		1
p- & m-Xylenes	**0.0064**	**mg/kg**	**0.0050**	**0.0022**	**EPA-8260B**	ND		1
o-Xylene	**0.0049**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	99.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	84.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 15:14	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Aldrin	ND	mg/kg	12	2.8	EPA-8270C	ND		1
Aniline	ND	mg/kg	24	6.2	EPA-8270C	ND		1
Anthracene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Benzidine	ND	mg/kg	350	26	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	12	1.4	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	12	1.8	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	12	6.6	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	59	7.9	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	12	2.5	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	12	2.1	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	12	2.5	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	12	2.1	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	12	2.0	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	12	2.0	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	12	1.9	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	12	2.5	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	24	5.1	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	12	3.2	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	12	2.4	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	12	1.8	EPA-8270C	ND		1
Chrysene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	12	2.4	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	12	2.4	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	12	2.5	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	24	0.79	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	12	3.6	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	12	2.4	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	12	2.1	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	12	2.6	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	12	2.0	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	24	2.4	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	24	2.5	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	12	2.5	EPA-8270C	ND		1
Endrin	ND	mg/kg	24	2.9	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	59	2.6	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
Fluorene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	12	2.5	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	12	2.0	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	12	1.9	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	12	2.4	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	12	8.5	EPA-8270C	ND		1
Isophorone	ND	mg/kg	12	2.0	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	350	19	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	12	2.1	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	24	1.8	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	24	2.9	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	12	1.8	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	12	4.4	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	12	2.5	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	12	2.5	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Pyrene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	24	2.6	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	12	1.9	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	12	2.0	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	12	4.1	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	59	1.4	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	59	0.91	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	12	2.0	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	24	3.9	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	12	1.9	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	24	2.1	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	24	1.5	EPA-8270C	ND		1
Phenol	ND	mg/kg	12	1.9	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	24	2.1	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	24	2.0	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	38.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	42.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	43.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	51.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	21.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	61.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 18:37	SKC	MS-B2	117.65	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.65**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	57	28	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	57	28	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**89**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**77**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**190**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**300**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**460**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**2000**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**2100**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**1800**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**370**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**540**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	57	28	EPA-8015CC	ND	A01	2
TPH (Total)	**8000**	**mg/kg**	**570**	**130**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	101	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 19:53	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 20:01	MWB	GC-13	56.604	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.8	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.23	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.1	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	24	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	6.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	140	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	1200	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.77	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	3.7	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.8	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	2.8	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.92	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	370	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:02	JRG	PE-OP2	0.952	BWE1099
2	EPA-7471A	05/14/13	05/14/13 11:58	MEV	CETAC1	0.977	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00075	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.00063	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0050	0.00045	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0050	0.00031	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00085	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.099	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.099	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.099	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.099	0.0077	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.099	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.099	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	90.0	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	101	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 23:15	VH1	GC-14	9.934	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0022**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0027**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.014**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 01:44	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	1.9	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	58	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	1.9	0.23	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	1.9	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	1.9	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.7	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.9	0.84	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	1.9	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.9	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	1.9	0.60	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	1.9	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.7	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
Fluorene	**1.1**	**mg/kg**	**1.9**	**0.37**	**EPA-8270C**	ND	**J**	1
Heptachlor	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.9	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	**0.55**	**mg/kg**	**1.9**	**0.35**	**EPA-8270C**	ND	**J**	1
Naphthalene	**0.55**	**mg/kg**	**1.9**	**0.35**	**EPA-8270C**	ND	**J**	1
2-Naphthylamine	ND	mg/kg	58	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	1.9	0.29	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.9	0.72	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
Phenanthrene	**1.0**	**mg/kg**	**1.9**	**0.35**	**EPA-8270C**	ND	**J**	1
Pyrene	**0.81**	**mg/kg**	**1.9**	**0.33**	**EPA-8270C**	ND	**J**	1
1,2,4-Trichlorobenzene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	1.9	0.68	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.7	0.23	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.7	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.64	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	52.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	59.4	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	61.2	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	67.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	47.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	83.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 19:03	SKC	MS-B2	19.481	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.46**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**39**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**20**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**45**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**81**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**130**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**650**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**620**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**530**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**110**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**160**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH (Total)	**2400**	**mg/kg**	**200**	**46**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	79.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 20:24	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 20:24	MWB	GC-13	19.608	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.5	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	4.3	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	100	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.26	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.20	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	17	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	28	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	1100	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.072	mg/kg	0.16	0.025	EPA-7471A	ND	J	2
Molybdenum	0.62	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	14	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	4.1	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.45	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	110	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:03	JRG	PE-OP2	0.943	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:00	MEV	CETAC1	1.008	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00076	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.00063	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0050	0.00045	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0050	0.00031	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	156	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	80.0	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 00:31	VH1	GC-14	10	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0017**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0027**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0072**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0091**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
p-Isopropyltoluene	**0.0019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.032**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 02:10	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Aldrin	ND	mg/kg	7.8	1.9	EPA-8270C	ND		1
Aniline	ND	mg/kg	16	4.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Benzidine	ND	mg/kg	230	17	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	7.8	0.94	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	7.8	4.4	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	39	5.2	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	16	3.4	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	7.8	2.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	16	0.52	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	7.8	2.4	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	7.8	1.7	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	16	1.6	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	16	1.6	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Endrin	ND	mg/kg	16	1.9	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	39	1.7	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
Fluorene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	7.8	5.6	EPA-8270C	ND		1
Isophorone	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	230	12	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	16	1.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	16	1.9	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	7.8	2.9	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Pyrene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	16	1.7	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	7.8	2.7	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	39	0.94	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	39	0.60	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	16	2.6	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	16	1.0	EPA-8270C	ND		1
Phenol	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	16	1.3	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	67.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	71.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	66.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	80.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	50.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	98.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 19:30	SKC	MS-B2	77.922	BWE1145

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.57**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**27**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**18**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**39**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**74**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**400**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**330**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**340**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**74**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**120**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH (Total)	**1500**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	87.1	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 20:54	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 20:46	MWB	GC-13	19.355	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	9.2	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	180	mg/kg	0.50	0.18	EPA-6010B	0.21		1
Beryllium	0.28	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.3	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	72	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	170	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	1400	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.32	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.7	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	24	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.64	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.99	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	350	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:56	JRG	PE-OP2	0.990	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:06	MEV	CETAC1	0.992	BWE1022

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0098	0.00051	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0098	0.0027	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0098	0.0075	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0098	0.0015	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0098	0.0049	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.98	0.29	EPA-8080	ND	A10	1
4,4'-DDD	**0.16**	**mg/kg**	**0.0098**	**0.0012**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.0098	0.00088	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0098	0.00061	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0098	0.00063	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0098	0.0017	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0098	0.0013	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0098	0.0025	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0098	0.00069	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0098	0.0012	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0098	0.0051	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0098	0.0029	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0098	0.0025	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.98	0.15	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.20	0.053	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.20	0.098	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.20	0.032	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.20	0.015	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.20	0.043	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.20	0.098	EPA-8080	ND	A10	1
TCMX (Surrogate)	115	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	51.6	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 00:46	VH1	GC-14	19.608	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0026**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0026**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.016**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 02:36	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Aldrin	ND	mg/kg	8.0	1.9	EPA-8270C	ND		1
Aniline	ND	mg/kg	16	4.2	EPA-8270C	ND		1
Anthracene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Benzidine	ND	mg/kg	240	18	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	8.0	0.96	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	8.0	1.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	8.0	4.5	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	40	5.4	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	16	3.4	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	8.0	2.2	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	8.0	1.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	16	0.54	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	8.0	2.5	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	8.0	1.8	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	16	1.6	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	16	1.7	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
Endrin	ND	mg/kg	16	2.0	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	40	1.8	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Fluorene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	8.0	5.8	EPA-8270C	ND		1
Isophorone	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	240	13	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	16	1.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	16	2.0	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	8.0	1.2	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	8.0	3.0	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Pyrene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	16	1.8	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	8.0	2.8	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	40	0.96	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	40	0.62	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	16	2.6	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	16	1.0	EPA-8270C	ND		1
Phenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	68.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	78.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	74.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	54.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	107	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 19:56	SKC	MS-B2	80	BWE1145

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.55**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	48	24	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	48	24	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**87**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**28**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**42**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C19 - C20	**50**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**73**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**260**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**250**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**330**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**86**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**170**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	48	24	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**480**	**110**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 21:25	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 14:18	MWB	GC-13	47.771	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	9.4	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.81	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	23	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.0	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	71	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	1000	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.54	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.2	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	18	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.8	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.69	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.1	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	310	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:06	JRG	PE-OP2	0.943	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:08	MEV	CETAC1	1.008	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0049	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0049	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0049	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0049	0.00074	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0049	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.49	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**0.12**	**mg/kg**	**0.0097**	**0.0012**	**EPA-8080**	ND		2
4,4'-DDE	ND	mg/kg	0.0049	0.00044	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0049	0.00030	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0049	0.00031	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0049	0.00084	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0049	0.00064	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0049	0.00034	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0049	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0049	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0049	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.49	0.072	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.097	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.097	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.097	0.0076	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.097	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
TCMX (Surrogate)	195	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	80.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 01:01	VH1	GC-14	9.740	BWE1140
2	EPA-8080	05/13/13	05/17/13 01:16	VH1	GC-14	19.481	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0030**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0012**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0035**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0014**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.014**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 02:25	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
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Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Aldrin	ND	mg/kg	1.9	0.46	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.8	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Benzidine	ND	mg/kg	57	4.2	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	1.9	0.23	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	1.9	0.28	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	1.9	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.5	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.8	0.82	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	1.9	0.51	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.9	0.28	EPA-8270C	ND		1
Chrysene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.8	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	1.9	0.59	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	1.9	0.42	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.8	0.38	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.8	0.40	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.8	0.47	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.5	0.42	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
Fluorene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.9	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	57	3.0	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.8	0.28	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.8	0.47	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	1.9	0.28	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.9	0.70	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Pyrene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.8	0.42	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	1.9	0.66	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.5	0.23	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.5	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.8	0.63	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.8	0.34	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.8	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.8	0.34	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.8	0.32	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	65.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	73.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	68.9	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	77.1	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	59.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	84.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 20:21	SKC	MS-B2	18.987	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.46**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**27**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**23**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**35**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**55**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**440**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**380**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**360**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**75**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**120**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH (Total)	**1600**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	89.4	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 21:55	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 21:54	MWB	GC-13	19.231	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.3	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	7.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	0.21		1
Beryllium	0.30	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.7	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	8.2	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	76	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	410	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.23	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	0.97	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	4.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	2.9	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.90	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	180	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:07	JRG	PE-OP2	0.990	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:11	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	81.6	%	20 - 140 (LCL - UCL)		EPA-8080			1
Dibutyl chlorendate (Surrogate)	53.5	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 01:31	VH1	GC-14	1	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0033**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0024**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.012**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 03:01	ML	MS-V3	1	BWE0890

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Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Aldrin	ND	mg/kg	1.0	0.24	EPA-8270C	ND		1
Aniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
Anthracene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Benzidine	ND	mg/kg	30	2.2	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	1.0	0.12	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	1.0	0.15	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	1.0	0.56	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	5.0	0.67	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	1.0	0.27	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.0	0.15	EPA-8270C	ND		1
Chrysene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	2.0	0.067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	1.0	0.31	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	1.0	0.22	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	2.0	0.20	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	2.0	0.21	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
Endrin	ND	mg/kg	2.0	0.25	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	5.0	0.22	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
Fluorene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.0	0.72	EPA-8270C	ND		1
Isophorone	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	30	1.6	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	2.0	0.15	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	2.0	0.25	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	1.0	0.15	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.0	0.37	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Pyrene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	2.0	0.22	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	1.0	0.35	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.0	0.12	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	5.0	0.077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	2.0	0.18	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	2.0	0.13	EPA-8270C	ND		1
Phenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.18	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	2.0	0.17	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	76.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	84.1	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	81.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	84.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	75.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	106	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 20:47	SKC	MS-B2	10.033	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.24**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	2.0	1.0	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	2.0	1.0	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**3.1**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**2.7**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**6.3**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**15**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**34**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**170**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**150**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**130**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**22**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**25**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	2.0	1.0	EPA-8015CC	ND	A01	2
TPH (Total)	**560**	**mg/kg**	**20**	**4.7**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	86.8	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 22:26	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 17:16	MWB	GC-13	2.013	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**100**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.21**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.41**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND	**J**	1
Chromium	**16**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**6.0**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**200**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**100**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.12**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.63**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**12**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**4.1**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.33**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND	**J**	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**25**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**300**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:08	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:13	MEV	CETAC1	1.008	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.039	0.0021	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.039	0.011	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.039	0.030	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.039	0.0060	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.039	0.020	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	3.9	1.2	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.039	0.0050	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.039	0.0036	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.039	0.0024	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.039	0.0025	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.039	0.0068	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.039	0.0052	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.039	0.010	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.039	0.0028	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.039	0.0048	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.039	0.021	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.039	0.012	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.039	0.010	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	3.9	0.58	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.79	0.21	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.79	0.39	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.79	0.095	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.79	0.13	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.79	0.095	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.79	0.062	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.79	0.17	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.79	0.39	EPA-8080	ND	A10	1
TCMX (Surrogate)	99.4	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	58.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 01:46	VH1	GC-14	78.947	BWE1140

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Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0017**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	85.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 03:27	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	55	10	EPA-8270C	ND		1
Aldrin	ND	mg/kg	55	13	EPA-8270C	ND		1
Aniline	ND	mg/kg	110	29	EPA-8270C	ND		1
Anthracene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Benzidine	ND	mg/kg	1600	120	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	55	6.5	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	55	10	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	55	8.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	55	31	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	270	37	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	55	11	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	55	9.8	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	55	11	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	55	9.8	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	55	9.3	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	55	9.3	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	55	8.7	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	55	11	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	110	23	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	55	15	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	55	11	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	55	8.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	55	10	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	55	10	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	55	11	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	55	11	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	55	11	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	55	10	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	110	3.7	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	55	17	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	55	10	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	55	11	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	55	9.8	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	55	12	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	55	9.3	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	55	10	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	110	11	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	110	11	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	55	11	EPA-8270C	ND		1
Endrin	ND	mg/kg	110	14	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	270	12	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
Fluorene	ND	mg/kg	55	10	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	55	11	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	55	9.3	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	55	8.7	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	55	10	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	55	11	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	55	39	EPA-8270C	ND		1
Isophorone	ND	mg/kg	55	9.3	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	1600	87	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	55	9.8	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	110	8.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	110	14	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	55	8.2	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	55	20	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	55	11	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	55	11	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Pyrene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	110	12	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	55	8.7	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	55	9.3	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	55	19	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	270	6.5	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	270	4.2	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	55	9.3	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	110	18	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	55	8.7	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	110	9.8	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	110	7.1	EPA-8270C	ND		1
Phenol	ND	mg/kg	55	8.7	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	110	9.8	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	110	9.3	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	62.7	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	61.8	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	78.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	26.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	86.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 21:13	SKC	MS-B2	545.45	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C12 - C14	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C15 - C16	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C17 - C18	**18**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C19 - C20	**39**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**26**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C23 - C28	**190**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**180**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**200**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**51**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**100**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH (Total)	**810**	**mg/kg**	**320**	**74**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	84.2	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	92.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 22:56	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 22:16	MWB	GC-13	31.579	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	2.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	260	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.45	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	11	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	31	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.3	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	110	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	920	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.31	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	39	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	4.4	mg/kg	1.0	0.98	EPA-6010B	ND		3
Silver	1.5	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	680	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:40	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:15	MEV	CETAC1	1.008	BWE1022
3	EPA-6010B	05/14/13	05/15/13 13:39	JRG	PE-OP2	0.980	BWE1099

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0049	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0049	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0049	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0049	0.00074	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0049	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.49	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**14**	**mg/kg**	**0.97**	**0.12**	**EPA-8080**	ND		2
4,4'-DDE	**1.1**	**mg/kg**	**0.097**	**0.0088**	**EPA-8080**	ND		3
4,4'-DDT	**1.5**	**mg/kg**	**0.097**	**0.0060**	**EPA-8080**	ND		3
Dieldrin	**4.5**	**mg/kg**	**0.97**	**0.062**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0049	0.00084	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0049	0.00064	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Endrin	**0.31**	**mg/kg**	**0.097**	**0.0068**	**EPA-8080**	ND		3
Endrin aldehyde	ND	mg/kg	0.0049	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0049	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0049	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.49	0.072	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.097	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.097	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.097	0.0076	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.097	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
TCMX (Surrogate)	116	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	159	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 02:02	VH1	GC-14	9.740	BWE1140
2	EPA-8080	05/13/13	05/17/13 02:32	VH1	GC-14	1948.1	BWE1140
3	EPA-8080	05/13/13	05/17/13 02:17	VH1	GC-14	194.81	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0030**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0022**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.0061**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0050**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0020**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.023**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 03:18	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	2.0	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	59	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	2.0	0.24	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	2.0	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.8	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**1.8**	**mg/kg**	**3.9**	**0.84**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDD	**5.6**	**mg/kg**	**2.0**	**0.33**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	2.0	0.61	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.8	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Fluorene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.0	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	59	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	2.0	0.73	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Pyrene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	2.0	0.69	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.8	0.24	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.8	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.65	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	62.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	66.1	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	64.1	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	59.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	85.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 21:39	SKC	MS-B2	19.608	BWE1145

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**1.3**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**37**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**19**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**39**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**77**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**400**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**290**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**290**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**63**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**100**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	78.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 23:27	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 22:39	MWB	GC-13	19.355	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	8.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	0.19		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.5	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	31	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	21	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	70	mg/kg	1.0	0.050	EPA-6010B	0.057		1
Lead	440	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	1.0	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.8	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	19	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	1.5	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.89	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	210	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:10	JRG	PE-OP2	0.926	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:17	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0047	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0047	0.0013	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0047	0.0036	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0047	0.00072	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0047	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.47	0.14	EPA-8080	ND	A10	1
4,4'-DDD	**14**	**mg/kg**	**0.95**	**0.12**	**EPA-8080**	ND		2
4,4'-DDE	ND	mg/kg	0.0047	0.00043	EPA-8080	ND	A10	1
4,4'-DDT	**7.8**	**mg/kg**	**0.95**	**0.059**	**EPA-8080**	ND		2
Dieldrin	**3.2**	**mg/kg**	**0.95**	**0.061**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0047	0.00082	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0047	0.00063	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0047	0.00033	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0047	0.00058	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0047	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0047	0.0014	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.47	0.070	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.095	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.095	0.015	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.095	0.0074	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.095	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
TCMX (Surrogate)	77.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	393	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 02:47	VH1	GC-14	9.494	BWE1140
2	EPA-8080	05/13/13	05/17/13 04:18	VH1	GC-14	1898.7	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0015**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0019**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.0030**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0020**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0020**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.024**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0015**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 03:53	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Aldrin	ND	mg/kg	4.0	0.96	EPA-8270C	ND		1
Aniline	ND	mg/kg	8.0	2.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.8	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	4.0	0.48	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	4.0	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	20	2.7	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	4.0	1.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Chrysene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDD	**4.9**	**mg/kg**	**4.0**	**0.68**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDT	**1.2**	**mg/kg**	**4.0**	**0.76**	**EPA-8270C**	ND	**J**	1
Dibenzo[a,h]anthracene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	8.0	0.27	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	4.0	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	4.0	0.88	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	8.0	0.80	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	8.0	0.84	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Endrin	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	20	0.88	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Fluorene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	4.0	2.9	EPA-8270C	ND		1
Isophorone	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.4	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	8.0	0.60	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	4.0	1.5	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Pyrene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	8.0	0.88	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	4.0	1.4	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	20	0.48	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	20	0.31	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	8.0	0.52	EPA-8270C	ND		1
Phenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	8.0	0.68	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	42.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	47.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	46.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	31.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	67.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 22:05	SKC	MS-B2	40	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**37**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**18**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**41**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**72**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**370**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**270**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**290**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**72**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**140**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**200**	**47**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	103	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	110	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 02:30	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 23:01	MWB	GC-13	20	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.66	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.5	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	180	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.53	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	74	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	130	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	340	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	450	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.18	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	3.0	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	27	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.3	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	20	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	140	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:11	JRG	PE-OP2	0.962	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:19	MEV	CETAC1	0.992	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0048	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0048	0.0013	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0048	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0048	0.00073	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0048	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.48	0.14	EPA-8080	ND	A10	1
4,4'-DDD	**28**	**mg/kg**	**0.96**	**0.12**	**EPA-8080**	ND		2
4,4'-DDE	ND	mg/kg	0.0048	0.00043	EPA-8080	ND	A10	1
4,4'-DDT	**4.9**	**mg/kg**	**0.96**	**0.060**	**EPA-8080**	ND		2
Dieldrin	**9.6**	**mg/kg**	**0.96**	**0.062**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0048	0.00083	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0048	0.00063	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0048	0.0012	EPA-8080	ND	A10	1
Endrin	**0.59**	**mg/kg**	**0.096**	**0.0067**	**EPA-8080**	ND		3
Endrin aldehyde	ND	mg/kg	0.0048	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0048	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0048	0.0014	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0048	0.0012	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.48	0.071	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.096	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.096	0.048	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.096	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.096	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.096	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.096	0.0075	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.096	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.096	0.048	EPA-8080	ND	A10	1
TCMX (Surrogate)	97.3	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	493	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 04:34	VH1	GC-14	9.615	BWE1140
2	EPA-8080	05/13/13	05/17/13 05:04	VH1	GC-14	1923.1	BWE1140
3	EPA-8080	05/13/13	05/17/13 04:49	VH1	GC-14	192.31	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0054**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.011**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	**0.0023**	**mg/kg**	**0.0050**	**0.00081**	**EPA-8260B**	ND	**J**	1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0050**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0062**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.019**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0014**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0023**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	98.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 04:18	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Aldrin	ND	mg/kg	7.7	1.8	EPA-8270C	ND		1
Aniline	ND	mg/kg	15	4.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Benzidine	ND	mg/kg	230	17	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	7.7	0.92	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	7.7	4.3	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	38	5.2	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	15	3.3	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	7.7	2.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
4,4'-DDD	**8.1**	**mg/kg**	**7.7**	**1.3**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	15	0.52	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	7.7	2.4	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	7.7	1.7	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	15	1.5	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	15	1.6	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
Endrin	ND	mg/kg	15	1.9	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	38	1.7	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
Fluorene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	7.7	5.5	EPA-8270C	ND		1
Isophorone	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	230	12	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	15	1.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	15	1.9	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	7.7	2.8	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Pyrene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	15	1.7	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	7.7	2.7	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	38	0.92	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	38	0.59	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	15	2.5	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	15	1.4	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	15	1.0	EPA-8270C	ND		1
Phenol	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	15	1.4	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	15	1.3	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	67.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	71.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	76.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	51.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	98.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 22:31	SKC	MS-B2	76.923	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.74**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**23**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**13**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**21**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**49**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**85**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**380**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**360**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**320**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**67**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**110**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**200**	**46**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	80.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/16/13 10:37	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 23:24	MWB	GC-13	19.608	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.57	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	190	mg/kg	0.50	0.18	EPA-6010B	0.19		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	20	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	28	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	24	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	200	mg/kg	1.0	0.050	EPA-6010B	0.057		1
Lead	380	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.26	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	2.1	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.5	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	7.2	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.0	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	570	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:17	JRG	PE-OP2	0.926	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:21	MEV	CETAC1	1.025	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	**0.022**	**mg/kg**	**0.0025**	**0.00032**	**EPA-8080**	ND		2
4,4'-DDE	**0.0063**	**mg/kg**	**0.00050**	**0.000045**	**EPA-8080**	ND		1
4,4'-DDT	**0.040**	**mg/kg**	**0.0025**	**0.00016**	**EPA-8080**	ND		2
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	**0.0084**	**mg/kg**	**0.0025**	**0.00018**	**EPA-8080**	ND		2
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	**0.47**	**mg/kg**	**0.10**	**0.022**	**EPA-8080**	ND	**A01**	3
Total PCB's (Summation)	**0.47**	**mg/kg**	**0.10**	**0.050**	**EPA-8080**	ND	**A01**	3
TCMX (Surrogate)	75.3	%	20 - 140 (LCL - UCL)		EPA-8080			1
Dibutyl chlorendate (Surrogate)	221	%	20 - 140 (LCL - UCL)		EPA-8080		S09	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 05:19	VH1	GC-14	1.007	BWE1140
2	EPA-8080	05/13/13	05/17/13 05:35	VH1	GC-14	5.034	BWE1140
3	EPA-8080	05/13/13	05/17/13 12:29	VH1	GC-17	10.067	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	82.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 04:44	ML	MS-V3	1	BWE0890

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	ND		1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.50	0.060	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.0	0.22	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	1.0	0.11	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	28.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	31.8	%	36 - 136 (LCL - UCL)		EPA-8270C		S09	1
Nitrobenzene-d5 (Surrogate)	30.8	%	31 - 135 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	34.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	26.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	35.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 16:03	SKC	MS-B2	5.017	BWE1145

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C12 - C14	**1.8**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C15 - C16	**2.0**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C17 - C18	**6.0**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C21 - C22	**35**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C23 - C28	**170**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C29 - C32	**120**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C33 - C36	**75**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C37 - C40	**11**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C41 - C43	**11**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH (Total)	**440**	**mg/kg**	**10**	**2.3**	**EPA-8015CC**	ND		2
Tetracosane (Surrogate)	58.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			2
a,a,a-Trifluorotoluene (FID Surrogate)	100	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 03:31	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 23:46	MWB	GC-13	1	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.56	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.37	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.75	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	26	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	9.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	470	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	79	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.18	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.1	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	26	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.1	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.12	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	41	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	260	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:19	JRG	PE-OP2	0.971	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:23	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00013	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00070	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.0019	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00038	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.0012	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.075	EPA-8080	ND	A10	1
4,4'-DDD	**0.013**	**mg/kg**	**0.0025**	**0.00032**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.0025	0.00022	EPA-8080	ND	A10	1
4,4'-DDT	**0.0052**	**mg/kg**	**0.0025**	**0.00016**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.0025	0.00016	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00043	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00033	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00018	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.00030	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.0013	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.00075	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.037	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.050	0.014	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.050	0.0081	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.050	0.0039	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.050	0.011	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
TCMX (Surrogate)	85.6	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	43.3	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 06:05	VH1	GC-14	5.068	BWE1140

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0023**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 05:10	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Aldrin	ND	mg/kg	3.0	0.72	EPA-8270C	ND		1
Aniline	ND	mg/kg	6.0	1.6	EPA-8270C	ND		1
Anthracene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Benzidine	ND	mg/kg	90	6.6	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	3.0	0.36	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	3.0	0.45	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	3.0	1.7	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	15	2.0	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	6.0	1.3	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	3.0	0.81	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	3.0	0.45	EPA-8270C	ND		1
Chrysene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	6.0	0.20	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	3.0	0.93	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	3.0	0.66	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	6.0	0.60	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	6.0	0.63	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
Endrin	ND	mg/kg	6.0	0.75	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	15	0.66	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
Fluorene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	3.0	2.2	EPA-8270C	ND		1
Isophorone	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	90	4.8	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	6.0	0.45	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	6.0	0.75	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	3.0	0.45	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	3.0	1.1	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Pyrene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	6.0	0.66	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	3.0	1.0	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	15	0.36	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	15	0.23	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	6.0	0.99	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	6.0	0.54	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	6.0	0.39	EPA-8270C	ND		1
Phenol	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	6.0	0.54	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	6.0	0.51	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	55.1	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	59.6	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	61.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	59.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	40.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	78.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 22:58	SKC	MS-B2	29.900	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**20**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**26**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**48**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**84**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**96**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**220**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**130**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**110**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**23**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH (Total)	**760**	**mg/kg**	**100**	**23**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	105	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 04:02	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 00:09	MWB	GC-13	10.101	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.5	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	6.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	180	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.30	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	4.8	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	35	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	8.1	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	430	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	150	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.29	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.9	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	28	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.4	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.27	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	1500	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:00	JRG	PE-OP2	0.952	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:26	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0049	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0049	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0049	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0049	0.00075	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0049	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.49	0.15	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0049	0.00062	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0049	0.00044	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0049	0.00031	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0049	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0049	0.00085	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0049	0.00065	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0049	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0049	0.00060	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0049	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0049	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.49	0.073	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.099	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.099	0.049	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.099	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.099	0.0077	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.099	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.099	0.049	EPA-8080	ND	A10	1
TCMX (Surrogate)	104	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	104	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 06:20	VH1	GC-14	9.868	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0015**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0026**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0070**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0016**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.0043**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.017**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0042**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 05:36	ML	MS-V3	1	BWE0890

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Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	2.0	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	59	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	2.0	0.24	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	2.0	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.8	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.9	0.84	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	2.0	0.61	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.8	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Fluorene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.0	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	59	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	2.0	0.73	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Pyrene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	2.0	0.69	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.8	0.24	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.8	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.65	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	76.1	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	83.7	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	86.6	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	90.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	74.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	90.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 23:24	SKC	MS-B2	19.608	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**1.0**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**60**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**75**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**160**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**240**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**330**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**1500**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**820**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**440**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**71**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**90**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH (Total)	**3800**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	82.8	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	82.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 04:32	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 13:28	MWB	GC-13	19.108	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	3.0	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.5	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.54	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	25	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	8.6	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	74	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	100	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.17	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	4.0	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	22	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.067	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.4	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	630	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:01	JRG	PE-OP2	0.935	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:32	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00013	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00070	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.0019	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00038	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.0012	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.075	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0025	0.00032	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0025	0.00022	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0025	0.00016	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0025	0.00016	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00043	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00033	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00018	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.00030	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.0013	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.00075	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.037	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.050	0.014	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.050	0.0081	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.050	0.0039	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.050	0.011	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
TCMX (Surrogate)	109	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	70.7	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 07:36	VH1	GC-14	5.051	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 06:02	ML	MS-V3	1	BWE0890

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	74.7	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	81.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	73.9	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	72.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	58.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	85.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 17:20	SKC	MS-B2	0.974	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		2
Tetracosane (Surrogate)	77.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			2
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 05:03	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 08:29	MWB	GC-13	1.014	BWE1160

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.37**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**43**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.13**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**7.8**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**4.0**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**8.4**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**1.8**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND	**J**	1
Mercury	**0.026**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.21**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**6.3**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**2.8**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**19**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**24**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:23	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:34	MEV	CETAC1	1.008	BWE1022

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.010	0.00052	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.010	0.0028	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.010	0.0076	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.010	0.0015	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.010	0.0050	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	1.0	0.30	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.010	0.0013	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.010	0.00090	EPA-8080	ND	A10	1
4,4'-DDT	**0.14**	**mg/kg**	**0.010**	**0.00062**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.010	0.00064	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.010	0.0017	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.010	0.0013	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.010	0.0026	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.010	0.00070	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.010	0.0012	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.010	0.0052	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.010	0.0030	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.010	0.0026	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	1.0	0.15	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.20	0.054	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.20	0.10	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.20	0.032	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.20	0.016	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.20	0.044	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.20	0.10	EPA-8080	ND	A10	1
TCMX (Surrogate)	165	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	208	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 07:51	VH1	GC-14	20	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0067**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0075**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	**0.0021**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND	**J**	1
1,4-Dichlorobenzene	**0.013**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.027**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0057**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
p-Isopropyltoluene	**0.033**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.057**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0079**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0019**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.045**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**0.020**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	**0.013**	**mg/kg**	**0.010**	**0.0034**	**EPA-8260B**	ND		1
p- & m-Xylenes	**0.0073**	**mg/kg**	**0.0050**	**0.0022**	**EPA-8260B**	ND		1
o-Xylene	**0.0058**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	77.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 03:44	ML	MS-V3	1	BWE0890

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Aldrin	ND	mg/kg	5.7	1.4	EPA-8270C	ND		1
Aniline	ND	mg/kg	11	3.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Benzidine	ND	mg/kg	170	13	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	5.7	0.68	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	5.7	0.85	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	5.7	3.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	28	3.8	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**11**	**mg/kg**	**11**	**2.4**	**EPA-8270C**	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	5.7	1.5	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	5.7	0.85	EPA-8270C	ND		1
Chrysene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	11	0.38	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	5.7	1.8	EPA-8270C	ND		1
Diethyl phthalate	**8.1**	**mg/kg**	**5.7**	**1.1**	**EPA-8270C**	ND		1
Dimethyl phthalate	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	5.7	1.3	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	11	1.1	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	11	1.2	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
Endrin	ND	mg/kg	11	1.4	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	28	1.3	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
Fluorene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	5.7	4.1	EPA-8270C	ND		1
Isophorone	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	170	9.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	11	0.85	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	11	1.4	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	5.7	0.85	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	5.7	2.1	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Pyrene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	11	1.3	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	5.7	2.0	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	28	0.68	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	28	0.44	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	11	1.9	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	11	1.0	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	11	0.74	EPA-8270C	ND		1
Phenol	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	11	1.0	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	11	0.97	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	39.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	51.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	52.1	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	36.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	53.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 23:49	SKC	MS-B2	56.962	BWE1145

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TRC
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**39**	**mg/kg**	**5.0**	**0.50**	**Luft**	ND	**A01**	1
TPH - C8 - C9	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**290**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**150**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**240**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**410**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**730**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**3300**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**2000**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**1100**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**180**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH - C44 plus	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH (Total)	**8500**	**mg/kg**	**960**	**220**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 10:36	JJH	GC-V8	5	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 09:59	MWB	GC-13	95.541	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.89**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**23**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**340**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.19		1
Beryllium	**0.20**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**8.8**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**170**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**26**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**3300**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.057		1
Lead	**550**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**1.2**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND		2
Molybdenum	**28**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND		1
Nickel	**56**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**5.9**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**2.6**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**45**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**2500**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:12	JRG	PE-OP2	0.926	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:37	MEV	CETAC1	0.977	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0047	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0047	0.0013	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0047	0.0036	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0047	0.00072	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0047	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.47	0.14	EPA-8080	ND	A10	1
4,4'-DDD	**0.27**	**mg/kg**	**0.024**	**0.0030**	**EPA-8080**	ND		2
4,4'-DDE	**0.19**	**mg/kg**	**0.024**	**0.0021**	**EPA-8080**	ND		2
4,4'-DDT	**0.077**	**mg/kg**	**0.024**	**0.0015**	**EPA-8080**	ND		2
Dieldrin	ND	mg/kg	0.0047	0.00030	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0047	0.00082	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0047	0.00063	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Endrin	**0.057**	**mg/kg**	**0.0047**	**0.00033**	**EPA-8080**	ND	**A10**	1
Endrin aldehyde	ND	mg/kg	0.0047	0.00058	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0047	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0047	0.0014	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.47	0.070	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.095	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.095	0.015	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.095	0.0074	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.095	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
TCMX (Surrogate)	85.8	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	115	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 08:22	VH1	GC-14	9.494	BWE1140
2	EPA-8080	05/13/13	05/17/13 08:37	VH1	GC-14	47.468	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0025**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.017**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.013**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0059**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0023**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.016**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.025**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**0.0068**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	**0.0045**	**mg/kg**	**0.010**	**0.0034**	**EPA-8260B**	ND	**J**	1
p- & m-Xylenes	**0.0028**	**mg/kg**	**0.0050**	**0.0022**	**EPA-8260B**	ND	**J**	1
o-Xylene	**0.0017**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 15:40	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Aldrin	ND	mg/kg	5.9	1.4	EPA-8270C	ND		1
Aniline	ND	mg/kg	12	3.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzidine	ND	mg/kg	180	13	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	5.9	0.71	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	5.9	0.89	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	5.9	3.3	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	30	4.0	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**3.8**	**mg/kg**	**12**	**2.5**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	5.9	1.6	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	5.9	0.89	EPA-8270C	ND		1
Chrysene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	12	0.40	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	5.9	1.8	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	5.9	1.3	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	12	1.2	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	12	1.2	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Endrin	ND	mg/kg	12	1.5	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	30	1.3	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
Fluorene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	5.9	4.3	EPA-8270C	ND		1
Isophorone	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	180	9.5	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	12	0.89	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	12	1.5	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	5.9	0.89	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	5.9	2.2	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Pyrene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	12	1.3	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	5.9	2.1	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	30	0.71	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	30	0.46	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	12	2.0	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	12	1.1	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	12	0.77	EPA-8270C	ND		1
Phenol	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	12	1.1	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	12	1.0	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	52.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	58.9	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	54.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	66.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	88.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/17/13 00:15	SKC	MS-B2	59.211	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**3.9**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C12 - C14	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C15 - C16	**280**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**120**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**410**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**380**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**1300**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**810**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**600**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**120**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C44 plus	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH (Total)	**4100**	**mg/kg**	**200**	**46**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	72.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 06:04	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 01:17	MWB	GC-13	19.608	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	4.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	9.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	200	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.28	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	2.2	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	12	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	460	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	380	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.98	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	5.1	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	26	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.3	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	12	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.66	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	23	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	520	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:25	JRG	PE-OP2	0.971	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:39	MEV	CETAC1	0.992	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0048	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0048	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0048	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0048	0.00074	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0048	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.48	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**0.12**	**mg/kg**	**0.048**	**0.0061**	**EPA-8080**	ND		2
4,4'-DDE	**0.18**	**mg/kg**	**0.048**	**0.0044**	**EPA-8080**	ND		2
4,4'-DDT	**0.030**	**mg/kg**	**0.0048**	**0.00030**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.0048	0.00031	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0048	0.00083	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0048	0.00064	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0048	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0048	0.00034	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0048	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0048	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0048	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0048	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.48	0.072	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.097	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.097	0.048	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.097	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.097	0.0075	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.097	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.097	0.048	EPA-8080	ND	A10	1
TCMX (Surrogate)	84.2	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	57.2	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 08:52	VH1	GC-14	9.677	BWE1140
2	EPA-8080	05/13/13	05/17/13 09:07	VH1	GC-14	96.774	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0082**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0036**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.035**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	**0.0048**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND	**J**	1
1,4-Dichlorobenzene	**0.023**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0033**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.0038**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.020**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0038**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0041**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 02:51	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Aldrin	ND	mg/kg	3.8	0.92	EPA-8270C	ND		1
Aniline	ND	mg/kg	7.7	2.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.5	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	3.8	0.46	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	3.8	0.58	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	3.8	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	19	2.6	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**5.7**	**mg/kg**	**7.7**	**1.7**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	3.8	1.0	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	3.8	0.58	EPA-8270C	ND		1
Chrysene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	7.7	0.26	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	3.8	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	3.8	0.85	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	7.7	0.77	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	7.7	0.81	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
Endrin	ND	mg/kg	7.7	0.96	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	19	0.85	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
Fluorene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	3.8	2.8	EPA-8270C	ND		1
Isophorone	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.2	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	7.7	0.58	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	7.7	0.96	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	3.8	0.58	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	3.8	1.4	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Pyrene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	7.7	0.85	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	3.8	1.3	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	19	0.46	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	19	0.30	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	7.7	0.69	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	7.7	0.50	EPA-8270C	ND		1
Phenol	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	7.7	0.69	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	7.7	0.65	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	45.2	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	48.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	53.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	36.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	76.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/17/13 00:40	SKC	MS-B2	38.462	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**1.4**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	40	20	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	40	20	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**97**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**58**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**110**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**190**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**310**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**1100**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**920**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**900**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**170**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**250**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	40	20	EPA-8015CC	ND	A01	2
TPH (Total)	**4100**	**mg/kg**	**400**	**93**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	72.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 06:34	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 10:21	MWB	GC-13	40	BWE1160

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.35**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**5.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**180**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.32**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**1.3**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**25**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**9.6**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**81**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**200**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.50**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND		2
Molybdenum	**1.3**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**21**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**3.1**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.85**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**28**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**250**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:26	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:41	MEV	CETAC1	1.025	BWE1022

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00076	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**0.039**	**mg/kg**	**0.0050**	**0.00063**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.0050	0.00045	EPA-8080	ND	A10	1
4,4'-DDT	**0.012**	**mg/kg**	**0.0050**	**0.00031**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	99.1	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	59.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 09:23	VH1	GC-14	10.169	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 16:22	ML	MS-V3	1	BWE1014

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Aldrin	ND	mg/kg	4.0	0.96	EPA-8270C	ND		1
Aniline	ND	mg/kg	8.0	2.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.8	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	4.0	0.48	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	4.0	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	20	2.7	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	4.0	1.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Chrysene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	8.0	0.27	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	4.0	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	4.0	0.88	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	8.0	0.80	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	8.0	0.84	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Endrin	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	20	0.88	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Fluorene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	4.0	2.9	EPA-8270C	ND		1
Isophorone	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.4	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	8.0	0.60	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	4.0	1.5	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Pyrene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	8.0	0.88	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	4.0	1.4	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	20	0.48	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	20	0.31	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	8.0	0.52	EPA-8270C	ND		1
Phenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	8.0	0.68	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	63.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	68.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	72.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	67.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	46.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	92.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/17/13 01:05	SKC	MS-B2	40	BWE1145

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.98**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**50**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**31**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**51**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**83**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**140**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**470**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**380**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**350**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**71**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**100**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH (Total)	**1700**	**mg/kg**	**200**	**47**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 07:04	JJH	GC-V8	1	BWE1156
2	EPA-8015CC	05/13/13	05/16/13 10:44	MWB	GC-13	19.868	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**6.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**140**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.21		1
Beryllium	**0.24**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**1.8**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**7.6**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**140**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**150**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**1.8**	**mg/kg**	**0.32**	**0.050**	**EPA-7471A**	ND	**A01**	2
Molybdenum	**1.3**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**19**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**3.8**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.70**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**28**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**500**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:10	JRG	PE-OP2	0.990	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:50	MEV	CETAC1	1.923	BWE1022

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1140						
Aldrin	BWE1140-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BWE1140-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BWE1140-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BWE1140-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BWE1140-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BWE1140-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BWE1140-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BWE1140-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BWE1140-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BWE1140-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BWE1140-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BWE1140-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BWE1140-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BWE1140-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BWE1140-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BWE1140-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BWE1140-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BWE1140-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BWE1140-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BWE1140-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BWE1140-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BWE1140-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BWE1140-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BWE1140-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BWE1140-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BWE1140-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BWE1140-BLK1	ND	mg/kg	0.010	0.0050	
TCMX (Surrogate)	BWE1140-BLK1	101	%	20 - 140 (LCL - UCL)		
Dibutyl chlorendate (Surrogate)	BWE1140-BLK1	87.3	%	20 - 140 (LCL - UCL)		

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Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1140										
Aldrin	BWE1140-BS1	LCS	0.0066892	0.0050505	mg/kg	132		70 - 130		L21
gamma-BHC (Lindane)	BWE1140-BS1	LCS	0.0051448	0.0050505	mg/kg	102		60 - 140		
4,4'-DDT	BWE1140-BS1	LCS	0.0076953	0.0050505	mg/kg	152		60 - 140		L21
Dieldrin	BWE1140-BS1	LCS	0.0063896	0.0050505	mg/kg	127		70 - 130		
Endrin	BWE1140-BS1	LCS	0.0068613	0.0050505	mg/kg	136		60 - 140		
Heptachlor	BWE1140-BS1	LCS	0.0069670	0.0050505	mg/kg	138		70 - 130		L21
TCMX (Surrogate)	BWE1140-BS1	LCS	0.010437	0.010101	mg/kg	103		20 - 140		
Dibutyl chlorendate (Surrogate)	BWE1140-BS1	LCS	0.028845	0.025253	mg/kg	114		20 - 140		

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Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1140	Used client sample: Y - Description: T2-23, 05/08/2013 13:42										
Aldrin	MS	1309783-17	ND	0.0064007	0.0049834	mg/kg		128		30 - 140	
	MSD	1309783-17	ND	0.0070946	0.0050167	mg/kg	10.3	141	30	30 - 140	Q03
gamma-BHC (Lindane)	MS	1309783-17	ND	0.0063475	0.0049834	mg/kg		127		30 - 140	
	MSD	1309783-17	ND	0.0068625	0.0050167	mg/kg	7.8	137	30	30 - 140	
4,4'-DDT	MS	1309783-17	ND	0.010877	0.0049834	mg/kg		218		30 - 140	Q03
	MSD	1309783-17	ND	0.0097502	0.0050167	mg/kg	10.9	194	30	30 - 140	Q03
Dieldrin	MS	1309783-17	ND	0.0062914	0.0049834	mg/kg		126		40 - 140	
	MSD	1309783-17	ND	0.0062294	0.0050167	mg/kg	1.0	124	30	40 - 140	
Endrin	MS	1309783-17	ND	0.0078352	0.0049834	mg/kg		157		30 - 150	Q03
	MSD	1309783-17	ND	0.0074666	0.0050167	mg/kg	4.8	149	30	30 - 150	
Heptachlor	MS	1309783-17	ND	0.0059920	0.0049834	mg/kg		120		40 - 140	
	MSD	1309783-17	ND	0.0065355	0.0050167	mg/kg	8.7	130	30	40 - 140	
TCMX (Surrogate)	MS	1309783-17	ND	0.015490	0.0099668	mg/kg		155		20 - 140	Q03
	MSD	1309783-17	ND	0.010892	0.010033	mg/kg	34.9	109		20 - 140	
Dibutyl chlorendate (Surrogate)	MS	1309783-17	ND	0.029900	0.024917	mg/kg		120		20 - 140	
	MSD	1309783-17	ND	0.030267	0.025084	mg/kg	1.2	121		20 - 140	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE0890						
Benzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BWE0890-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE0890						
trans-1,3-Dichloropropene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BWE0890-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BWE0890-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BWE0890-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BWE0890-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BWE0890-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BWE0890-BLK1	95.4	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWE0890-BLK1	98.7	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWE0890-BLK1	89.8	%	74 - 121 (LCL - UCL)		
QC Batch ID: BWE1014						
Benzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1014						
Bromobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BWE1014-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1014						
Ethylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BWE1014-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BWE1014-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BWE1014-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BWE1014-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BWE1014-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BWE1014-BLK1	95.6	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWE1014-BLK1	97.2	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWE1014-BLK1	85.7	%	74 - 121 (LCL - UCL)		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE0890										
Benzene	BWE0890-BS1	LCS	0.12231	0.12500	mg/kg	97.8		70 - 130		
Bromodichloromethane	BWE0890-BS1	LCS	0.11536	0.12500	mg/kg	92.3		70 - 130		
Chlorobenzene	BWE0890-BS1	LCS	0.12512	0.12500	mg/kg	100		70 - 130		
Chloroethane	BWE0890-BS1	LCS	0.11989	0.12500	mg/kg	95.9		70 - 130		
1,4-Dichlorobenzene	BWE0890-BS1	LCS	0.12525	0.12500	mg/kg	100		70 - 130		
1,1-Dichloroethane	BWE0890-BS1	LCS	0.12464	0.12500	mg/kg	99.7		70 - 130		
1,1-Dichloroethene	BWE0890-BS1	LCS	0.12054	0.12500	mg/kg	96.4		70 - 130		
Toluene	BWE0890-BS1	LCS	0.12599	0.12500	mg/kg	101		70 - 130		
Trichloroethene	BWE0890-BS1	LCS	0.12128	0.12500	mg/kg	97.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWE0890-BS1	LCS	0.045600	0.050000	mg/kg	91.2		70 - 121		
Toluene-d8 (Surrogate)	BWE0890-BS1	LCS	0.049180	0.050000	mg/kg	98.4		81 - 117		
4-Bromofluorobenzene (Surrogate)	BWE0890-BS1	LCS	0.048540	0.050000	mg/kg	97.1		74 - 121		
QC Batch ID: BWE1014										
Benzene	BWE1014-BS1	LCS	0.11224	0.12500	mg/kg	89.8		70 - 130		
Bromodichloromethane	BWE1014-BS1	LCS	0.10736	0.12500	mg/kg	85.9		70 - 130		
Chlorobenzene	BWE1014-BS1	LCS	0.11574	0.12500	mg/kg	92.6		70 - 130		
Chloroethane	BWE1014-BS1	LCS	0.10353	0.12500	mg/kg	82.8		70 - 130		
1,4-Dichlorobenzene	BWE1014-BS1	LCS	0.11777	0.12500	mg/kg	94.2		70 - 130		
1,1-Dichloroethane	BWE1014-BS1	LCS	0.11328	0.12500	mg/kg	90.6		70 - 130		
1,1-Dichloroethene	BWE1014-BS1	LCS	0.11445	0.12500	mg/kg	91.6		70 - 130		
Toluene	BWE1014-BS1	LCS	0.11789	0.12500	mg/kg	94.3		70 - 130		
Trichloroethene	BWE1014-BS1	LCS	0.11590	0.12500	mg/kg	92.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWE1014-BS1	LCS	0.049810	0.050000	mg/kg	99.6		70 - 121		
Toluene-d8 (Surrogate)	BWE1014-BS1	LCS	0.049700	0.050000	mg/kg	99.4		81 - 117		
4-Bromofluorobenzene (Surrogate)	BWE1014-BS1	LCS	0.049630	0.050000	mg/kg	99.3		74 - 121		

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE0890	Used client sample: N										
Benzene	MS	1308130-65	ND	0.13293	0.12500	mg/kg		106		70 - 130	
	MSD	1308130-65	ND	0.12147	0.12500	mg/kg	9.0	97.2	20	70 - 130	
Bromodichloromethane	MS	1308130-65	ND	0.11962	0.12500	mg/kg		95.7		70 - 130	
	MSD	1308130-65	ND	0.11232	0.12500	mg/kg	6.3	89.9	20	70 - 130	
Chlorobenzene	MS	1308130-65	ND	0.12979	0.12500	mg/kg		104		70 - 130	
	MSD	1308130-65	ND	0.11695	0.12500	mg/kg	10.4	93.6	20	70 - 130	
Chloroethane	MS	1308130-65	ND	0.14165	0.12500	mg/kg		113		70 - 130	
	MSD	1308130-65	ND	0.11767	0.12500	mg/kg	18.5	94.1	20	70 - 130	
1,4-Dichlorobenzene	MS	1308130-65	ND	0.12548	0.12500	mg/kg		100		70 - 130	
	MSD	1308130-65	ND	0.11598	0.12500	mg/kg	7.9	92.8	20	70 - 130	
1,1-Dichloroethane	MS	1308130-65	ND	0.13203	0.12500	mg/kg		106		70 - 130	
	MSD	1308130-65	ND	0.12217	0.12500	mg/kg	7.8	97.7	20	70 - 130	
1,1-Dichloroethene	MS	1308130-65	ND	0.13699	0.12500	mg/kg		110		70 - 130	
	MSD	1308130-65	ND	0.12037	0.12500	mg/kg	12.9	96.3	20	70 - 130	
Toluene	MS	1308130-65	ND	0.13359	0.12500	mg/kg		107		70 - 130	
	MSD	1308130-65	ND	0.12090	0.12500	mg/kg	10.0	96.7	20	70 - 130	
Trichloroethene	MS	1308130-65	ND	0.13540	0.12500	mg/kg		108		70 - 130	
	MSD	1308130-65	ND	0.11618	0.12500	mg/kg	15.3	92.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1308130-65	ND	0.046860	0.050000	mg/kg		93.7		70 - 121	
	MSD	1308130-65	ND	0.050320	0.050000	mg/kg	7.1	101		70 - 121	
Toluene-d8 (Surrogate)	MS	1308130-65	ND	0.050650	0.050000	mg/kg		101		81 - 117	
	MSD	1308130-65	ND	0.050480	0.050000	mg/kg	0.3	101		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1308130-65	ND	0.049690	0.050000	mg/kg		99.4		74 - 121	
	MSD	1308130-65	ND	0.050020	0.050000	mg/kg	0.7	100		74 - 121	
QC Batch ID: BWE1014	Used client sample: N										
Benzene	MS	1308130-66	ND	0.11472	0.12500	mg/kg		91.8		70 - 130	
	MSD	1308130-66	ND	0.11402	0.12500	mg/kg	0.6	91.2	20	70 - 130	
Bromodichloromethane	MS	1308130-66	ND	0.11420	0.12500	mg/kg		91.4		70 - 130	
	MSD	1308130-66	ND	0.11239	0.12500	mg/kg	1.6	89.9	20	70 - 130	
Chlorobenzene	MS	1308130-66	ND	0.12383	0.12500	mg/kg		99.1		70 - 130	
	MSD	1308130-66	ND	0.11962	0.12500	mg/kg	3.5	95.7	20	70 - 130	
Chloroethane	MS	1308130-66	ND	0.10662	0.12500	mg/kg		85.3		70 - 130	
	MSD	1308130-66	ND	0.10644	0.12500	mg/kg	0.2	85.2	20	70 - 130	
1,4-Dichlorobenzene	MS	1308130-66	ND	0.12838	0.12500	mg/kg		103		70 - 130	
	MSD	1308130-66	ND	0.12313	0.12500	mg/kg	4.2	98.5	20	70 - 130	
1,1-Dichloroethane	MS	1308130-66	ND	0.11555	0.12500	mg/kg		92.4		70 - 130	
	MSD	1308130-66	ND	0.11502	0.12500	mg/kg	0.5	92.0	20	70 - 130	

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1014	Used client sample: N										
1,1-Dichloroethene	MS	1308130-66	ND	0.11882	0.12500	mg/kg		95.1		70 - 130	
	MSD	1308130-66	ND	0.11456	0.12500	mg/kg	3.7	91.6	20	70 - 130	
Toluene	MS	1308130-66	ND	0.12356	0.12500	mg/kg		98.8		70 - 130	
	MSD	1308130-66	ND	0.12055	0.12500	mg/kg	2.5	96.4	20	70 - 130	
Trichloroethene	MS	1308130-66	ND	0.12193	0.12500	mg/kg		97.5		70 - 130	
	MSD	1308130-66	ND	0.11949	0.12500	mg/kg	2.0	95.6	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1308130-66	ND	0.049200	0.050000	mg/kg		98.4		70 - 121	
	MSD	1308130-66	ND	0.049390	0.050000	mg/kg	0.4	98.8		70 - 121	
Toluene-d8 (Surrogate)	MS	1308130-66	ND	0.049510	0.050000	mg/kg		99.0		81 - 117	
	MSD	1308130-66	ND	0.050130	0.050000	mg/kg	1.2	100		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1308130-66	ND	0.051960	0.050000	mg/kg		104		74 - 121	
	MSD	1308130-66	ND	0.052190	0.050000	mg/kg	0.4	104		74 - 121	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1145						
Acenaphthene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BWE1145-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BWE1145-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BWE1145-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BWE1145-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BWE1145-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BWE1145-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BWE1145-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BWE1145-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BWE1145-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BWE1145-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.021	

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1145						
1,4-Dichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BWE1145-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BWE1145-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BWE1145-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BWE1145-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BWE1145-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BWE1145-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BWE1145-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BWE1145-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BWE1145-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BWE1145-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BWE1145-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BWE1145-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BWE1145-BLK1	ND	mg/kg	0.10	0.021	

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Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1145						
N-Nitrosodiphenylamine	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BWE1145-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BWE1145-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BWE1145-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BWE1145-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BWE1145-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	BWE1145-BLK1	85.7	%	28 - 144 (LCL - UCL)		
Phenol-d5 (Surrogate)	BWE1145-BLK1	91.6	%	36 - 136 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BWE1145-BLK1	85.3	%	31 - 135 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BWE1145-BLK1	79.0	%	20 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BWE1145-BLK1	91.0	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BWE1145-BLK1	79.8	%	30 - 150 (LCL - UCL)		

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1145										
Acenaphthene	BWE1145-BS1	LCS	1.3287	1.6502	mg/kg	80.5		50 - 140		
1,4-Dichlorobenzene	BWE1145-BS1	LCS	1.2663	1.6502	mg/kg	76.7		40 - 140		
2,4-Dinitrotoluene	BWE1145-BS1	LCS	1.2842	1.6502	mg/kg	77.8		40 - 140		
Hexachlorobenzene	BWE1145-BS1	LCS	1.3116	1.6502	mg/kg	79.5		46 - 140		
Hexachlorobutadiene	BWE1145-BS1	LCS	1.2089	1.6502	mg/kg	73.3		40 - 120		
Hexachloroethane	BWE1145-BS1	LCS	1.1261	1.6502	mg/kg	68.2		40 - 120		
Nitrobenzene	BWE1145-BS1	LCS	1.3267	1.6502	mg/kg	80.4		40 - 130		
N-Nitrosodi-N-propylamine	BWE1145-BS1	LCS	1.1812	1.6502	mg/kg	71.6		40 - 120		
Pyrene	BWE1145-BS1	LCS	1.2921	1.6502	mg/kg	78.3		40 - 150		
1,2,4-Trichlorobenzene	BWE1145-BS1	LCS	1.3073	1.6502	mg/kg	79.2		40 - 140		
4-Chloro-3-methylphenol	BWE1145-BS1	LCS	1.3861	1.6502	mg/kg	84.0		40 - 130		
2-Chlorophenol	BWE1145-BS1	LCS	1.2079	1.6502	mg/kg	73.2		40 - 130		
2-Methylphenol	BWE1145-BS1	LCS	1.2855	1.6502	mg/kg	77.9		40 - 140		
3- & 4-Methylphenol	BWE1145-BS1	LCS	2.6017	3.3003	mg/kg	78.8		40 - 120		
4-Nitrophenol	BWE1145-BS1	LCS	0.34752	1.6502	mg/kg	21.1		20 - 120		
Pentachlorophenol	BWE1145-BS1	LCS	1.1294	1.6502	mg/kg	68.4		20 - 130		
Phenol	BWE1145-BS1	LCS	1.2515	1.6502	mg/kg	75.8		40 - 120		
2,4,6-Trichlorophenol	BWE1145-BS1	LCS	1.3096	1.6502	mg/kg	79.4		44 - 130		
2-Fluorophenol (Surrogate)	BWE1145-BS1	LCS	2.0762	2.6403	mg/kg	78.6		28 - 144		
Phenol-d5 (Surrogate)	BWE1145-BS1	LCS	2.1640	2.6403	mg/kg	82.0		36 - 136		
Nitrobenzene-d5 (Surrogate)	BWE1145-BS1	LCS	2.2386	2.6403	mg/kg	84.8		31 - 135		
2-Fluorobiphenyl (Surrogate)	BWE1145-BS1	LCS	1.8934	2.6403	mg/kg	71.7		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BWE1145-BS1	LCS	1.9663	2.6403	mg/kg	74.5		20 - 150		
p-Terphenyl-d14 (Surrogate)	BWE1145-BS1	LCS	0.96337	1.3201	mg/kg	73.0		30 - 150		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1145	Used client sample: Y - Description: T2-5, 05/08/2013 13:00										
Acenaphthene	MS	1309783-13	ND	0.74915	1.6949	mg/kg		44.2		40 - 140	
	MSD	1309783-13	ND	1.2649	1.6556	mg/kg	51.2	76.4	30	40 - 140	Q02
1,4-Dichlorobenzene	MS	1309783-13	ND	0.52881	1.6949	mg/kg		31.2		30 - 150	
	MSD	1309783-13	ND	1.1738	1.6556	mg/kg	75.8	70.9	30	30 - 150	Q02
2,4-Dinitrotoluene	MS	1309783-13	ND	0.42542	1.6949	mg/kg		25.1		30 - 140	J,Q03
	MSD	1309783-13	ND	0.82119	1.6556	mg/kg	63.5	49.6	30	30 - 140	Q02
Hexachlorobenzene	MS	1309783-13	ND	0.083729	1.6949	mg/kg		4.9		30 - 150	J,Q03
	MSD	1309783-13	ND	1.3940	1.6556	mg/kg	177	84.2	30	30 - 150	
Hexachlorobutadiene	MS	1309783-13	ND	0.59153	1.6949	mg/kg		34.9		20 - 140	
	MSD	1309783-13	ND	1.1407	1.6556	mg/kg	63.4	68.9	30	20 - 140	Q02
Hexachloroethane	MS	1309783-13	ND	0.55085	1.6949	mg/kg		32.5		30 - 140	
	MSD	1309783-13	ND	1.1672	1.6556	mg/kg	71.8	70.5	30	30 - 140	Q02
Nitrobenzene	MS	1309783-13	ND	0.68136	1.6949	mg/kg		40.2		30 - 140	
	MSD	1309783-13	ND	1.1093	1.6556	mg/kg	47.8	67.0	30	30 - 140	Q02
N-Nitrosodi-N-propylamine	MS	1309783-13	ND	0.56949	1.6949	mg/kg		33.6		30 - 120	
	MSD	1309783-13	ND	1.1772	1.6556	mg/kg	69.6	71.1	30	30 - 120	Q02
Pyrene	MS	1309783-13	ND	1.1915	1.6949	mg/kg		70.3		40 - 150	
	MSD	1309783-13	ND	1.5116	1.6556	mg/kg	23.7	91.3	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1309783-13	ND	0.64915	1.6949	mg/kg		38.3		30 - 150	
	MSD	1309783-13	ND	1.2864	1.6556	mg/kg	65.8	77.7	30	30 - 150	Q02
4-Chloro-3-methylphenol	MS	1309783-13	ND	0.63220	1.6949	mg/kg		37.3		40 - 130	J,Q03
	MSD	1309783-13	ND	1.2136	1.6556	mg/kg	63.0	73.3	30	40 - 130	Q02
2-Chlorophenol	MS	1309783-13	ND	0.50000	1.6949	mg/kg		29.5		40 - 130	Q03
	MSD	1309783-13	ND	1.0381	1.6556	mg/kg	70.0	62.7	30	40 - 130	Q02
2-Methylphenol	MS	1309783-13	ND	0.57119	1.6949	mg/kg		33.7		30 - 140	
	MSD	1309783-13	ND	1.1656	1.6556	mg/kg	68.4	70.4	30	30 - 140	Q02
3- & 4-Methylphenol	MS	1309783-13	ND	1.1034	3.3898	mg/kg		32.5		40 - 130	Q03
	MSD	1309783-13	ND	2.4321	3.3113	mg/kg	75.2	73.4	30	40 - 130	Q02
4-Nitrophenol	MS	1309783-13	ND	0.093220	1.6949	mg/kg		5.5		20 - 140	J,Q03
	MSD	1309783-13	ND	0.74007	1.6556	mg/kg	155	44.7	30	20 - 140	J,Q02
Pentachlorophenol	MS	1309783-13	ND	0.18475	1.6949	mg/kg		10.9		20 - 130	J,Q03
	MSD	1309783-13	ND	0.97682	1.6556	mg/kg	136	59.0	30	20 - 130	J,Q02
Phenol	MS	1309783-13	ND	0.62712	1.6949	mg/kg		37.0		30 - 130	
	MSD	1309783-13	ND	1.2185	1.6556	mg/kg	64.1	73.6	30	30 - 130	Q02
2,4,6-Trichlorophenol	MS	1309783-13	ND	0.51017	1.6949	mg/kg		30.1		40 - 140	J,Q03
	MSD	1309783-13	ND	1.0662	1.6556	mg/kg	70.5	64.4	30	40 - 140	Q02

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1145	Used client sample: Y - Description: T2-5, 05/08/2013 13:00										
2-Fluorophenol (Surrogate)	MS	1309783-13	ND	0.84915	2.7119	mg/kg		31.3		28 - 144	
	MSD	1309783-13	ND	1.9520	2.6490	mg/kg	78.7	73.7		28 - 144	
Phenol-d5 (Surrogate)	MS	1309783-13	ND	1.0322	2.7119	mg/kg		38.1		36 - 136	
	MSD	1309783-13	ND	2.0844	2.6490	mg/kg	67.5	78.7		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1309783-13	ND	1.0610	2.7119	mg/kg		39.1		31 - 135	
	MSD	1309783-13	ND	2.0199	2.6490	mg/kg	62.2	76.3		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1309783-13	ND	1.0661	2.7119	mg/kg		39.3		20 - 140	
	MSD	1309783-13	ND	1.9785	2.6490	mg/kg	59.9	74.7		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1309783-13	ND	0.97797	2.7119	mg/kg		36.1		20 - 150	
	MSD	1309783-13	ND	1.8709	2.6490	mg/kg	62.7	70.6		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1309783-13	ND	0.71017	1.3559	mg/kg		52.4		30 - 150	
	MSD	1309783-13	ND	1.0662	1.3245	mg/kg	40.1	80.5		30 - 150	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1154						
Gasoline Range Organics (C4 - C12)	BWE1154-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1154-BLK1	95.0	%	70 - 130 (LCL - UCL)		
QC Batch ID: BWE1156						
Gasoline Range Organics (C4 - C12)	BWE1156-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1156-BLK1	105	%	70 - 130 (LCL - UCL)		
QC Batch ID: BWE1160						
TPH - C8 - C9	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BWE1160-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BWE1160-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	BWE1160-BLK1	89.5	%	20 - 145 (LCL - UCL)		

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1154										
Gasoline Range Organics (C4 - C12)	BWE1154-BS1	LCS	5.3610	5.0000	mg/kg	107		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1154-BS1	LCS	0.041000	0.040000	mg/kg	102		70 - 130		
QC Batch ID: BWE1156										
Gasoline Range Organics (C4 - C12)	BWE1156-BS1	LCS	5.0660	5.0000	mg/kg	101		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1156-BS1	LCS	0.045000	0.040000	mg/kg	112		70 - 130		
QC Batch ID: BWE1160										
TPH - Diesel (FFP)	BWE1160-BS1	LCS	66.185	84.459	mg/kg	78.4		64 - 124		
Tetracosane (Surrogate)	BWE1160-BS1	LCS	2.7764	3.3784	mg/kg	82.2		20 - 145		

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Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1154	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1308130-65	ND	4.7600	5.0000	mg/kg		95.2		70 - 130	
	MSD	1308130-65	ND	4.9550	5.0000	mg/kg	4.0	99.1	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1308130-65	ND	0.040000	0.040000	mg/kg		100		70 - 130	
	MSD	1308130-65	ND	0.042000	0.040000	mg/kg	4.9	105		70 - 130	
QC Batch ID: BWE1156	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1308130-66	ND	4.8940	5.0000	mg/kg		97.9		70 - 130	
	MSD	1308130-66	ND	4.9030	5.0000	mg/kg	0.2	98.1	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1308130-66	ND	0.043000	0.040000	mg/kg		108		70 - 130	
	MSD	1308130-66	ND	0.045000	0.040000	mg/kg	4.5	112		70 - 130	
QC Batch ID: BWE1160	Used client sample: Y - Description: T5-21, 05/08/2013 10:00										
TPH - Diesel (FFP)	MS	1309783-08	72.000	52.533	83.056	mg/kg		-23.4		52 - 131	A01,Q03
	MSD	1309783-08	72.000	72.209	84.459	mg/kg	31.5	0.2	30	52 - 131	A01,Q03
Tetracosane (Surrogate)	MS	1309783-08	ND	3.0648	3.3223	mg/kg		92.2		20 - 145	A01
	MSD	1309783-08	ND	3.1909	3.3784	mg/kg	4.0	94.5		20 - 145	A01

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1022						
Mercury	BWE1022-BLK1	ND	mg/kg	0.16	0.025	
QC Batch ID: BWE1099						
Antimony	BWE1099-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BWE1099-BLK1	ND	mg/kg	1.0	0.40	
Barium	BWE1099-BLK1	0.20867	mg/kg	0.50	0.18	J
Beryllium	BWE1099-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BWE1099-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BWE1099-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BWE1099-BLK1	ND	mg/kg	2.5	0.098	
Copper	BWE1099-BLK1	0.061847	mg/kg	1.0	0.050	J
Lead	BWE1099-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BWE1099-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BWE1099-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BWE1099-BLK2	ND	mg/kg	1.0	0.98	
Silver	BWE1099-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BWE1099-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BWE1099-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BWE1099-BLK1	0.21637	mg/kg	2.5	0.087	J

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1022										
Mercury	BWE1022-BS1	LCS	0.76576	0.80000	mg/kg	95.7		80 - 120		
QC Batch ID: BWE1099										
Antimony	BWE1099-BS1	LCS	92.183	100.00	mg/kg	92.2		75 - 125		
Arsenic	BWE1099-BS1	LCS	9.6473	10.000	mg/kg	96.5		75 - 125		
Barium	BWE1099-BS1	LCS	99.436	100.00	mg/kg	99.4		75 - 125		
Beryllium	BWE1099-BS1	LCS	9.8182	10.000	mg/kg	98.2		75 - 125		
Cadmium	BWE1099-BS1	LCS	9.8831	10.000	mg/kg	98.8		75 - 125		
Chromium	BWE1099-BS1	LCS	99.328	100.00	mg/kg	99.3		75 - 125		
Cobalt	BWE1099-BS1	LCS	101.91	100.00	mg/kg	102		75 - 125		
Copper	BWE1099-BS1	LCS	97.328	100.00	mg/kg	97.3		75 - 125		
Lead	BWE1099-BS1	LCS	102.64	100.00	mg/kg	103		75 - 125		
Molybdenum	BWE1099-BS1	LCS	100.66	100.00	mg/kg	101		75 - 125		
Nickel	BWE1099-BS1	LCS	102.02	100.00	mg/kg	102		75 - 125		
Selenium	BWE1099-BS2	LCS	8.5961	10.000	mg/kg	86.0		75 - 125		
Silver	BWE1099-BS1	LCS	9.5056	10.000	mg/kg	95.1		75 - 125		
Thallium	BWE1099-BS1	LCS	101.85	100.00	mg/kg	102		75 - 125		
Vanadium	BWE1099-BS1	LCS	96.858	100.00	mg/kg	96.9		75 - 125		
Zinc	BWE1099-BS1	LCS	100.60	100.00	mg/kg	101		75 - 125		

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1022	Used client sample: Y - Description: T4-5, 05/08/2013 07:30										
Mercury	DUP	1309783-01	0.23750	0.29062		mg/kg	20.1		20		A02
	MS	1309783-01	0.23750	1.0188	0.78125	mg/kg		100		80 - 120	
	MSD	1309783-01	0.23750	0.99172	0.78125	mg/kg	2.7	96.5	20	80 - 120	
QC Batch ID: BWE1099	Used client sample: Y - Description: T3-5, 05/08/2013 11:00										
Antimony	DUP	1309783-09	2.1016	2.0642		mg/kg	1.8		20		J
	MS	1309783-09	2.1016	22.295	98.039	mg/kg		20.6		16 - 119	
	MSD	1309783-09	2.1016	22.491	98.039	mg/kg	0.9	20.8	20	16 - 119	
Arsenic	DUP	1309783-09	9.9764	9.0554		mg/kg	9.7		20		
	MS	1309783-09	9.9764	18.156	9.8039	mg/kg		83.4		75 - 125	
	MSD	1309783-09	9.9764	17.767	9.8039	mg/kg	2.2	79.5	20	75 - 125	
Barium	DUP	1309783-09	258.26	478.89		mg/kg	59.9		20		Q01
	MS	1309783-09	258.26	350.54	98.039	mg/kg		94.1		75 - 125	
	MSD	1309783-09	258.26	399.76	98.039	mg/kg	13.1	144	20	75 - 125	Q03
Beryllium	DUP	1309783-09	0.45248	0.49402		mg/kg	8.8		20		J
	MS	1309783-09	0.45248	9.5122	9.8039	mg/kg		92.4		75 - 125	
	MSD	1309783-09	0.45248	9.6790	9.8039	mg/kg	1.7	94.1	20	75 - 125	
Cadmium	DUP	1309783-09	10.791	11.625		mg/kg	7.4		20		
	MS	1309783-09	10.791	18.564	9.8039	mg/kg		79.3		75 - 125	
	MSD	1309783-09	10.791	16.410	9.8039	mg/kg	12.3	57.3	20	75 - 125	Q03
Chromium	DUP	1309783-09	30.897	33.554		mg/kg	8.2		20		
	MS	1309783-09	30.897	117.81	98.039	mg/kg		88.6		75 - 125	
	MSD	1309783-09	30.897	116.68	98.039	mg/kg	1.0	87.5	20	75 - 125	
Cobalt	DUP	1309783-09	7.3106	7.5869		mg/kg	3.7		20		
	MS	1309783-09	7.3106	94.307	98.039	mg/kg		88.7		75 - 125	
	MSD	1309783-09	7.3106	94.619	98.039	mg/kg	0.3	89.1	20	75 - 125	
Copper	DUP	1309783-09	113.59	113.92		mg/kg	0.3		20		
	MS	1309783-09	113.59	198.28	98.039	mg/kg		86.4		75 - 125	
	MSD	1309783-09	113.59	187.85	98.039	mg/kg	5.4	75.7	20	75 - 125	
Lead	DUP	1309783-09	922.02	826.18		mg/kg	11.0		20		
	MS	1309783-09	922.02	867.00	98.039	mg/kg		-56.1		75 - 125	A03
	MSD	1309783-09	922.02	757.09	98.039	mg/kg	13.5	-168	20	75 - 125	A03
Molybdenum	DUP	1309783-09	39.480	36.618		mg/kg	7.5		20		
	MS	1309783-09	39.480	114.98	98.039	mg/kg		77.0		75 - 125	
	MSD	1309783-09	39.480	116.04	98.039	mg/kg	0.9	78.1	20	75 - 125	
Nickel	DUP	1309783-09	23.257	24.307		mg/kg	4.4		20		
	MS	1309783-09	23.257	108.51	98.039	mg/kg		87.0		75 - 125	
	MSD	1309783-09	23.257	108.14	98.039	mg/kg	0.3	86.6	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1099	Used client sample: Y - Description: T3-5, 05/08/2013 11:00										
Selenium	DUP	1309783-09	4.3522	5.3325		mg/kg	20.2		20		A02
	MS	1309783-09	4.3522	11.279	9.8039	mg/kg		70.7		75 - 125	Q03
	MSD	1309783-09	4.3522	11.230	9.8039	mg/kg	0.4	70.2	20	75 - 125	Q03
Silver	DUP	1309783-09	1.5081	1.2074		mg/kg	22.1		20		A02
	MS	1309783-09	1.5081	10.468	9.8039	mg/kg		91.4		75 - 125	
	MSD	1309783-09	1.5081	10.543	9.8039	mg/kg	0.7	92.2	20	75 - 125	
Thallium	DUP	1309783-09	1.5085	ND		mg/kg			20		
	MS	1309783-09	1.5085	89.914	98.039	mg/kg		90.2		75 - 125	
	MSD	1309783-09	1.5085	89.196	98.039	mg/kg	0.8	89.4	20	75 - 125	
Vanadium	DUP	1309783-09	27.468	28.137		mg/kg	2.4		20		
	MS	1309783-09	27.468	119.11	98.039	mg/kg		93.5		75 - 125	
	MSD	1309783-09	27.468	118.73	98.039	mg/kg	0.3	93.1	20	75 - 125	
Zinc	DUP	1309783-09	684.82	782.01		mg/kg	13.3		20		
	MS	1309783-09	684.82	761.03	98.039	mg/kg		77.7		75 - 125	
	MSD	1309783-09	684.82	667.56	98.039	mg/kg	13.1	-17.6	20	75 - 125	A03

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A02	The difference between duplicate readings is less than the PQL.
A03	The sample concentration is more than 4 times the spike level.
A10	PQL's and MDL's were raised due to matrix interference.
A17	Surrogate not reportable due to sample dilution.
L21	The Laboratory Control Sample Soil (LCSS) recovery is not within laboratory established control limits.
Q01	Sample precision is not within the control limits.
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V01	The Initial Calibration Verification (ICV) recovery is not within established control limits.

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REMEDIAL ACTION PLAN
FOR THE
GAGE AVENUE DISPOSAL SITE
EASTERN PARCEL

Prepared for

Comstock Gage LLC
c/o Comstock Realty Partners
1801 Avenue of the Stars, Suite 421
Los Angeles, California 90067

Prepared By



James Ferrara, PG

Project Manager

David Lennon
Project Director

TRC
123 Technology Drive
Irvine, California 92618
Telephone 949-727-9336
Facsimile 949-727-3022

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ACRONYMS

ACM	Asbestos containing material
ASTM	American Society of Testing and Materials
AP	Alquist-Priolo
APN	Assessor's parcel number
bgs	below ground surface
BMP	Best management practice
CAM	California Assessment Manual
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CDWR	California Department of Water Resources
CGP	Construction General Permit
City	City of Commerce
CIWMB	California Integrated Waste Management Board
CHHSLs	California Human Health Screening Levels
CIH	Certified Industrial Hygienist
COPC	Chemicals of Potential Concern
DTSC	California Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
fbg	feet below grade
GPS	Global Positioning System
GRO	Gasoline range organics
LEA	local enforcement agency
HASP	health and safety plan
msl	mean sea level
PAH	Polynuclear hydrocarbons
PLS	Professional Land Surveyor
PPE	Personal protective gear
PCB	Polychlorinated biphenyls
OSHA	Occupational Safety and Health Association
PM_{10}	Particulate matter less than 10 microns in diameter
REC	Recognized Environmental Conditions
RCRA	Resource Conservation and Recovery Act
RSL	EPA Region 9, Regional Screening Level
RWQCB	Regional Water Quality Control Board
SCAQMD	Southern California Air Quality Management District
Site	7316 East Gage Avenue
SVOC	semi-volatile organic compound
SWIS	Solid Waste Information System
SWRCB	State Water Resources Control Board
TPH	total petroleum hydrocarbons
USGS	United States Geological Survey
VOC	volatile organic compound

1.0 INTRODUCTION

On behalf of Comstock Gage LLC, the landowner ("Comstock"), TRC has prepared this Remedial Action Plan ("Plan") to obtain regulatory approval from the California Regional Water Quality Control Board – Los Angeles Region ("RWQCB") to remediate the Comstock's property located at 7316 Gage Avenue in the City of Commerce, CA ("Site").

The Plan achieves Site remediation through:

- Total excavation of all cover soil and buried landfill waste material;
- Confirmation sampling of excavation floor to demonstrate removal of chemicals of potential concern (COPC); and
- Confirmation sidewall soil sampling (northern, eastern, and southern sidewalls) to demonstrate removal of landfill debris and/or removal of COPCs.

1.1 REMEDIATION OBJECTIVES

TRC will implement remediation of the Site through:

- Complete excavation and removal of cover soil and solid waste materials in the waste area;
- Decommission of groundwater monitoring wells to prevent potential impacts to groundwater, and
- Removal of accessible impacted soils underlying the waste area that do not meet the cleanup criteria.

All cover soil and waste materials will be removed from the waste area within the Site. No granular material or soil is proposed to be imported to the Site. Since all soil and waste materials will be removed from the site. As such, post-remediation monitoring and maintenance will not be required.

1.2 PLAN ORGANIZATION

The remainder of this Plan is structured to address the regulatory requirements stated above as follows:

- Section 2: Site Characterization
- Section 3: Proposed Soil Cleanup Criteria
- Section 4: Proposed Remediation Activities
- Section 5: Remediation Monitoring
- Section 6: Remediation Report
- Section 7: Post-Remediation Maintenance Activities
- Section 8: Schedule
- Section 9: References

- Appendix A: TRC Limited Environmental Site Assessment Report
- Appendix B: TRC Trench Logs and Official Laboratory Reports and Chain of Custody Records
- Appendix C: B&D Construction Company, Inc., Test Pit Work Summary/Results, and Sladden Laboratory Test Results
- Appendix D: Soil Sampling Plan
- Appendix E: Quality Assurance Project Plan
- Appendix F: Soil Cleanup Criteria
- Appendix G: Health and Safety Plan

Further subdivisions of the sections, and a list of tables and figures are provided in the Table of Contents.

2.0 SITE CHARACTERIZATION

2.1 SITE DESCRIPTION

The Site is identified on the CalRecycle website, formerly the CIWMB's Solid Waste Information System (SWIS) database as including the eastern portion of the Gage Avenue Dump, Solid Waste Information site (SWIS ID 19-AA-5543).

According to the Los Angeles County assessor's website, the Site is identified as assessor parcel number (APN) 6357-018-005 and consists of approximately 7.78 undeveloped acres.

Figure 1 is the Site Plan showing an aerial photograph of the surrounding properties. The Site is bounded to the:

- North by the Ramada Inn property and East Slauson Avenue;
- East by the Interstate 5 (Santa Ana) freeway;
- South by the Rio Hondo River Channel, a concrete lined flood control channel, and the Rio Hondo percolation basin; and
- West by the City of Commerce Veterans Memorial Park.

2.2 SITE HISTORY AND OPERATIONS

Based on aerial photographs the Site was:

- Undeveloped prior to 1947.
- Used for agricultural purposes from 1947 to 1950.
- Part of a disposal site permitted by Los Angeles County, and operated L.A. By-Products, Inc., from 1950 to 1954. The Site was also known as the Gage Avenue Dump, which reportedly accepted municipal solid wastes, construction debris and inert fill materials.

- Following in-place landfill remediation in 1958, a 52,160 square-foot rectangular commercial building and railroad spur was constructed over the waste area at the Site.
- The commercial building was demolished in 1992.

The Site is currently a vacant undeveloped land parcel that is partially covered with vegetation, asphalt, and concrete.

2.3 PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

The former eastern waste disposal area encompasses a surface area of approximately 5.52 acres (Figure 2) of the total Site area of approximately 7.78 acres, including the property access road. The waste disposal area is roughly rectangular in shape, approximately 650 feet long in a north-south direction and 370 feet wide in an east-west direction. The Test Pit and Trench Location Plan (Figure 2) show the approximate limits of the waste disposal area in relation to the property boundaries.

The waste disposal area surface is generally flat with numerous slight depressions (less than 1 foot in depth) in relation to the surrounding area. The cover soil ranges from 3 to 5 feet in thickness. In the northern and central portions average waste thickness is approximately 15 feet, assuming 4 feet of soil cover. In the southern portion, the average waste thickness is 16 feet (Sladden, 2004). Two cross sections through the Site are provided in Figure 3. The locations of the cross sections are shown on Figure 2.

2.3.1 Regional Hydrology and Geology

The Site is centrally situated at the southern edge of the Montebello Plain physiographic feature within the Coastal Plain of the Los Angeles Basin. According to published geologic maps and cross sections (CDWR, 1961), the Site overlies late Pleistocene-age sediments of the Lakewood formation. The Lakewood formation is described as being sedimentary in origin and consists of marine and continental gravel, sand, silty sand, silt, and clays. The Site lies within the Central Groundwater Basin, a subdivision of the Coastal Plain of Los Angeles County east and northeast of the Newport-Inglewood uplift. Local hydrostratigraphic features (from shallowest to deepest) include the Bellflower aquiclude, Exposition aquifer, and Gage aquifer within the Lakewood formation. Deeper hydrostratigraphic features of the underlying San Pedro formation include the Hollydale aquifer, Lynwood aquifer, Silverado aquifer, and Sunnyside aquifer. The aquifers of the Central Groundwater Basin are generally separated by low-permeability aquitards that limit vertical groundwater conductance between aquifers (CDWR, 1961).

The Site is located approximately 7 miles west of the Elsinore fault zone, Whittier section; 6 miles southwest of the East Montebello fault; and 10 miles east and northeast of the Newport-Inglewood-Rose Canyon fault zone. The Site does not appear in Alquist-Priolo (AP) Earthquake Fault Zones.

2.3.2 Local Hydrology and Geology

The Site is situated at an elevation of approximately 151 feet relative to mean sea level (msl) with the surface elevation sloping gently towards the south (USGS, 1981), and 85 feet below ground

surface (bgs) or greater to groundwater. According to the groundwater monitoring reports for the Arco Facility #1682, located at 7667 East Slauson Avenue, approximately 525 feet north-northeast of the Site, the regional groundwater flow direction is south-southeast towards the Rio Hondo River Channel (Geotracker, April 2013). Historical groundwater monitoring events conducted at the former Mobil Service Station, located at 7724 Telegraph Road (approximately 100 feet to the north), indicate depth to groundwater in monitoring well MW-7A, fluctuating from 73.70 to 104.57 feet bgs, the highest historical groundwater elevation was recorded in 2005 at 82.28 feet relative to msl and the most recent elevation recorded was 58.88 feet relative to msl.

The maximum excavation depth of the remediation activities contemplated by the Plan is 25 fbg, meaning approximately 48 feet of native soil will remain between the highest historical groundwater elevation and the excavation floor (Figure 4). Figure 4 presents a Conceptual Rough Final Grade Cross Section.

Soil boring logs from a 2004 geotechnical investigation by Sladden Engineering indicate the soils (up to 80.5 feet bgs) underlying the Site consist of silty sands, sandy silts, and fine-to coarse-grained alluvial sands with gravel (Sladden 2004). Groundwater was not encountered during the Sladden Engineering investigation.

2.3.3 GROUNDWATER MONITORING WELL

TRC identified one groundwater monitoring well in the southwest corner of the Site during its environmental assessment. Soil was encountered in the 4-inch diameter well casing at 84.49 feet below the top of the well casing when measured on January 21, 2014. TRC was unable to locate other groundwater monitoring wells or groundwater monitoring data for the Site (Geotracker, 2014). According to the Partner Engineering and Science, Inc., Phase I ESA Report "A total of three groundwater monitoring wells were observed onsite during the Site reconnaissance. The groundwater monitoring wells are most likely associated with the previous environmental investigations performed by other consultants at the subject property" on behalf of prior owners.

2.4 SUMMARY OF PREVIOUS INVESTIGATIONS

2.4.1 Geotechnical Investigation

In its 2004 Geotechnical Investigation, Sladden Engineering advanced nine soil borings up to 80.5 feet bgs to determine depth and density of onsite disposal waste, and underlying soil lithology and density. Disposal waste was reported at depths ranging from 7 to 29 feet bgs, at one boring location. The 2004 investigation reportedly included 218 supplemental borings in a 40-foot grid pattern to further evaluate the site conditions and depth of the disposal wastes (TRC, 2013a).

2.4.2 Phase I Environmental Site Assessment

In April 2013, TRC conducted a Phase I ESA to identify Recognized Environmental Conditions (RECs) at the Site, as defined by the ASTM E 1527-05 standard (TRC, 2013). A number of tasks were conducted including:

- Site and vicinity reconnaissance;

- Site and vicinity description and physical setting;
- Historical source review and description of historical Site conditions;
- Review of environmental databases and regulatory agency records;
- Review of previous environmental reports/documentation, as applicable; and
- Preparation of a report summarizing findings, opinions and conclusions.

The ESA revealed limited information regarding the Site history with respect to the nature and extent of landfill disposal activities previously conducted in the early 1950s.

2.4.3 Limited Environmental Site Assessment

In June 2013, TRC conducted a Limited Phase II ESA to:

- Characterize the nature of the disposed waste;
- Estimate the type and approximate quantities of waste material;
- Investigate the waste debris thickness; and
- Collect soil samples (see Appendix A). Five trenches were excavated in select portions of the Site up to 23 feet bgs.

TRC observed the trenching, described trench material and characterized waste in field notes, and documented with photographs. Logs of the test pits are provided within the report in Appendix B. A number of tasks were conducted that include:

- Excavation of five test trenches;
- Evaluation of ambient air and trench vapors using a photoionization detector and four gas meters for volatile organic compounds, methane, carbon dioxide, hydrogen sulfide, and percentage of oxygen;
- Collection of soil samples/material for analysis from the excavated waste area;
- Collection of natural soil samples for analysis from the trench floor; and
- Field monitoring and documentation of observations.

TRC did not conduct screening of waste materials to separate soil from waste particles during this trenching investigation. Soil/material samples of equal volume were collected at 1-foot depth intervals and composited (5-point composite) into one soil/material sample to assess chemical compounds in an approximately 5-foot vertical waste column. Each of the collected soil/material samples was composited in the field from the following depth intervals for submittal to the laboratory, as follows:

Soil Sample Collection Depth (fbg)	Composited Depth Interval (fbg)	Sample Identification
1, 2, 3, 4, 5	1 to 5	T1-5 through T5-5
6, 7, 8, 9, 10	6 to 10	T1-10 through T5-10
11, 12, 13, 14, 15	11 to 15	T1-15 through T5-15
16, 17, 18, 19, 20	16 to 20	T1-20, T3-20 and T5-21*

*Sample T5-21 composited soil depths 16 through 21 fbg (6-point composite).

Two excavation floor soil samples (T2-23 and T4-18) were collected during this investigation from two of the five exploratory trenches to evaluate soil conditions underlying the waste area. The two excavation floor soil sample results are summarized in Tables 1 through 5 of the Limited ESA (TRC, 2013a).

2.4.4 Additional Site Assessment/Summary

During January 2014, TRC was onsite to observe further limited exploratory excavation and collect environmental soil samples during the test pit work and material screening performed for Comstock by B&D Construction Company, Inc. (B&D).

B&D's exploratory work involved the excavation of four test trenches, each with an excavation floor footprint of approximately 20 by 50 feet, and a 100 by 100-foot test pit.

The Test Pit and Trench Location Plan are presented in Figure 2. The test pit and trenches (T6 through T9) were each excavated at depths between 15 and 26 feet bgs to expose the native soil underlying the disposed waste. At the time, Comstock had anticipated it would be able to reuse a significant amount of the impacted soils within the waste prism as engineered fill to reduce the volume of clean fill that would otherwise be needed to bring the Site to grade following excavation of buried wastes. To determine how much impacted soil could be potentially available for reuse, the excavated waste material was processed using two different types of portable screen plants, and final screen configurations, to determine the most suitable method of waste segregation from reusable soil. A “Grizzly” type of rock screen and two mesh gradations were used to produce three different gradations of materials. The three materials produced by the first screening process were:

(a) 3/8-inch minus sized material (screened soil for reuse);

(b) 1-to 6-inch sized waste debris; and

(c) greater than 6-inch sized waste debris.

The final screen size was later changed to produce a 1-inch minus material for consideration as reuse material.

TRC collected material samples of the 3/8-inch minus sized material for environmental analysis and Sladden collected samples of the 1-inch and 3/8-inch minus material for organic and/or gradation testing. TRC also collected excavation floor samples of native soils, underlying the removed waste for chemical analyses. The soil screened for reuse and floor samples were analyzed by a state-certified laboratory for Chemicals of Potential Concern (COPC).

A water pipeline was encountered within the excavation of Trench T9, limiting the accessibility of the excavator. No excavation floor or screened soil for reuse samples were collected. The separated waste products generated from the screening process were characterized by B&D to estimate an approximate waste debris composition and density. The B&D and Sladden Reports are provided in Appendix C. The TRC summary of laboratory results is presented in Tables 1 through 5 of this Remediation Plan.

2.5 RESULTS OF PREVIOUS INVESTIGATIONS

Samples were collected from the test pit and trench excavation floors, and from excavated waste and soil without screening, as well as from soils passing through the 3/8-inch mesh for consideration (screened soil) as engineered fill. All samples were analyzed for:

- Gasoline range organics (C4 to C12);
- Total petroleum hydrocarbons (TPH), carbon chain identification (C8 through C44);
- Volatile organic compounds (VOCs);
- Semi-volatile organic compounds (SVOCs);
- Organochlorine pesticides/PCBs; and
- CAM 17 (Title 22) metals (TRC, 2013 and 2014).

The analytical results are summarized in the TRC Limited ESA attached as Appendix A (Samples T2-23 & T4-18) and Tables 1 through 5 (6 samples from 2014) in this Plan. A summary of the chemical results of the test pit and trench excavation floor soil samples and the soil screened samples is presented below.

2.5.1 Test Pit and Trench Excavation Floor Sample Results (January 2014 Investigation)

- No gasoline-range organics (C4 to C12) were detected in any of the excavation floor soil samples above the practical quantification limit of 1.0 mg/kg.
- TPH (C8 to C44) was not detected in 7 of the 8 excavation floor soil samples. One soil Sample T4-18 was detected with a concentration of 2,400 mg/kg.
- VOCs were not detected in 7 of the 8 excavation floor soil samples. One excavation floor soil Sample T4-18 was detected with a naphthalene concentration of 0.014 mg/kg. Soil Sample T4-18 was also detected with benzene and ethylbenzene concentrations below the practical quantification limit of 0.005 mg/kg.
- No benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene or dibenz(a,h)anthracene concentrations were detected in any of the soil samples.
- Pesticides were not detected in 7 of the 8 excavation floor soil samples. The chemical compound 4-4'-DDT was detected above the practical quantification limit, at a concentration of 0.0010 mg/kg in excavation floor soil Sample T7-26.
- No PCBs were detected in any of the excavation floor soil samples.

- Except for arsenic, discussed below, other RCRA metals (barium, cadmium, chromium, lead, mercury, selenium, and silver) were either not detected, or were detected at concentrations significantly below the EPA Region 9, Regional Screening Level (RSL) for industrial use soil.
- Arsenic concentrations up to 4.3 mg/kg were detected in the excavation floor soil samples and averaged 2.58 mg/kg.

2.5.2 Screened Soil Sample Results (January 2014 Investigation)

- No gasoline-range organics (C4 to C12) were detected in any of the screened soil samples above the practical quantification limit of 1.0 mg/kg.
- TPH (C8 to C44) was detected in screened soil samples up to 1,100 mg/kg.
- Naphthalene was detected up to 0.079 mg/kg in 2 of the 5 screened soil samples. No other VOCs were detected in any of the screened soil samples above the practical quantification limit of 0.005 mg/kg.
- Benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene and dibenz(a,h)anthracene were not detected in 4 of the 5 screened soil samples. Benz[a]anthracene and chrysene concentrations of 0.11 and 0.16 mg/kg, respectively, were detected in soil Sample T7-CSS1.
- Pesticides were detected in 4 of the 5 screened soil samples. The chemical compounds 4-4' DDD, 4-4' DDT and dieldrin exceeded the RSL for industrial use soil, in 2 of the 5 samples. All other screened soil samples were detected at concentrations significantly below the RSL for industrial use soil.
- No PCBs were detected in any of the screened soil samples.
- Except for arsenic, discussed below, other RCRA metals (barium, cadmium, chromium, lead, mercury, selenium, and silver) were either not detected, or were detected at concentrations significantly below the RSL for industrial use soil.
- Arsenic concentrations up to 27 mg/kg were detected in the screened soil samples and averaged 10.9 mg/kg.

2.6 TPH-IMPACTED SOIL

2.6.1 Non-Screened Soil/Material Samples

TPH was detected in each of the 18 non-screened soil/material samples at concentrations ranging from 440 to 8,500 mg/kg, primarily in the C12 to C43 carbon ranges. The majority of the TPH detected was in the C23 to C36 range (see TRC Limited ESA, Table 1, Appendix B). The TPH detected in this range primarily represents oil-range organics. Gasoline-range organics (GRO) up to 39 mg/kg were detected in Trench Sample T1-5 and GRO up to 1.3 mg/kg were detected in Trenches 2 through 5. The GRO detected in Trench T1 may be associated with the 8,000-gallon, diesel underground storage tank, installed in 1975 by Alleluia Cushions and removed in 1989 by Petroleum Industry Consultants.

2.6.2 Screened Soil Samples (January 2014 Investigation)

Four soil samples, passing through the 3/8-inch screen were collected for laboratory testing. Two of the four samples were collected from the test pit, one sample from Trench 6, and one sample from Trench 7. The 3/8-inch and 1-inch screened soil samples were tested for organics by Sladden and found to contain approximately 0.2 and 0.6 percent organics, respectively.

TPH was detected in each of the four screened soil samples at concentrations up to 1,100 mg/kg. The majority of the TPH detected was in the C21 to C40 range (see Official Laboratory Reports in Appendix B). The TPH detected in this range primarily represents oil-range organics.

No gasoline-range organics were detected above the practical quantification limit of 1.0 mg/kg.

2.7 SOIL VAPOR MONITORING

Relatively small concentrations of methane, carbon dioxide, and VOC soil gas were measured using 4-gas and photoionization detectors (PID) during the TRC trench investigation and B&D Test Pit work. No methane soil gas exceeded 1 percent using the RKI Eagle 4-gas analyzer, and no lower explosive limit (LEL) gases were detected using the Mini Rae 4-gas analyzer during the Test Pit work within the excavation work area or within 1-3 inches of stockpiled waste material surface.

The minor methane values are consistent with the presence and age of the green waste and wood materials found in the solid waste area. The removal of the green waste and wood materials will further reduce the generation of methane to negligible amounts and therefore methane is not anticipated to be a concern after waste removal.

The LEA has performed site inspections and landfill gas monitoring of the soil gas probes located on the City-owned portion of the former Gage Avenue Dump which is located to the west and also on the Ramada Inn property to the north of the Site. No soil gas probes are located on the Comstock land parcel. No detectable sustained methane or significant soil gas concentrations have been reported by the LEA (CalRecycle, Inspection Reports, 2014).

2.8 CHEMICALS OF POTENTIAL CONCERN

The analysis of soils within the waste cell, identified pesticides (4-4’ DDD, 4-4’ DDT, dieldrin and endrin), arsenic, and lead in concentrations that exceed the recommended soil cleanup criteria presented in Table 6. Minor concentrations of VOC, SVOCs, PAHs, and other pesticides were detected at concentrations below the recommended soil cleanup criteria.

3.0 PROPOSED SOIL CLEANUP CRITERIA

The field sampling program during site remediation will include: 1) confirmation soil sampling within the excavation areas upon completion of waste material and cover soil removal, 2) stockpile sampling of excavated and screened soils, and 3) stabilization/solidification of metal affected soil for disposal at a Class III facility. The following sections provide specific sampling analysis methods, frequencies, and procedures. The Soil Sampling Plan provided in Appendix D describes

the decontamination procedures, sample handling, documentation, and the sample analysis program.

3.1 CONFIRMATION CHEMICAL ANALYSIS

All confirmation soil samples will be submitted to a California state-certified analytical laboratory for analysis. The excavation floor and sidewall soil samples will be analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Method 8015M;
- Total petroleum hydrocarbons as diesel and motor oil (TPH-D/TPH-O), and carbon chain identification from C13 to C44 using EPA Method 8015M;
- VOCs using EPA Method 8260B/5035;
- SVOCs including polynuclear aromatic hydrocarbons using EPA Method 8270C;
- Organochlorine pesticides and PCBs using EPA Method 8081/8082; and
- Title 22 metals using EPA Method 6000/7000.

3.2 CONFIRMATION SAMPLING FREQUENCY

Confirmation sampling of the excavation floor and sidewall soils will be performed upon reaching the lateral and vertical limits of the waste pit or property boundary. Specifically, soil samples will be collected on 50-foot centers along the sidewalls and floor of the excavation to document the boundary conditions. All sampling will be performed in accordance with the sampling methods and criteria outlined in this section. The proposed soil sample locations are presented in Figure 5.

3.2.1 Excavation Floor Samples

Confirmation excavation floor samples will be collected on 50-foot centers along the floor of the excavation to document the native in-situ soil conditions. Additional excavation floor, subgrade soil sampling will occur at depths of 5 and 10 feet below the final excavation floor grade (approximately 25% to 30% of the total excavation floor samples) using a quasi-random sampling protocol where the excavation floor limits will be divided into smaller units or cells and one (1) random sample location will be selected for each cell. Figure 5 shows the cell locations (each cell is approximately 10,000 square feet) for the random sampling program. A Random Number Table will be used to generate one or more sets of two random two-digit integers for each cell. Each set of integers will be used to locate a random sample point within each cell using a simple x and y coordinate system with the origin at the northwest corner of the cell (e.g., integer set 25 05 would indicate a sample point located 25 feet east of the origin and then 5 feet south). Figure 5 shows the proposed excavation floor soil sample locations and excavation floor subgrade cell limits for random soil sampling.

3.2.2 Sidewall Samples

Soil samples will be collected on 50-foot lateral spacing's along designated sidewalls of the excavation to demonstrate the cleanup criteria has been achieved or document the boundary conditions. Since the waste area extends laterally west of the property boundary, no samples will

be collected of the waste debris along the western excavation sidewall. Figure 5 shows the proposed soil sidewall sample locations.

Sidewall Sample Methodology			
Description	Frequency	Depth (feet)	Sample Quantity
Northern	Each 50 lf	5 and 10 bgs	2 samples per each 50 lf
Eastern	Each 50 lf	Midpoint (half the vertical height of the sidewall)	1 sample per each 50 lf
Southern	Each 50 lf	Midpoint (half the vertical height of the sidewall)	1 sample per each 50 lf
Western	No samples	No samples	No samples

bgs - below ground surface, lf – linear feet

3.2.3 Backfill Soil Samples

No offsite backfill is anticipated to be imported to the Site. Onsite soils meeting the cleanup criteria may be used in the remedial excavation to attain a safe sidewall slope, level the excavation floor or cover landfill debris that extend offsite (e.g., western sidewall).

In the event that offsite backfill is required, clean soil from undeveloped sources not impacted by previous activities will be used. No soil will be imported to the Site absent prior approval from the RWQCB. The use of imported fill material will conform with the DTSC's Information Advisory for Clean Imported Fill Material.

3.3 RECOMMENDED SOIL CLEANUP CRITERIA

Recommended soil cleanup goals were developed as an element of the remedial action planning process. The numerical soil cleanup goals consider site-specific details such as:

- The depth to groundwater underlying the site; and
- The potential future use of the property.

The soil cleanup goals are intended to demonstrate that constituents of potential concern (COPCs) do not remain within the base or sidewalls of the excavation area at concentrations that could pose a potential threat to human health, groundwater, or ecological receptors. COPCs considered in this evaluation include those which were detected in samples of soil and/or landfill material during previous site investigation and characterization activities. The recommended soil cleanup criteria for the Site represent a combination of published soil screening levels (SSLs) and consider one or more of the following factors:

- Protection of human health;
- Protection of groundwater;
- Urban area ecotoxicity; and
- Background concentrations (for naturally-occurring metals and PAHs).

The objective of the proposed remediation activities is to restore the Site to a condition that allows for unrestricted use. Consequently, SSLs for protection of human health are based on residential standards. Appendix F provides a detailed description of the methodology and SSLs used to develop the recommended soil cleanup criteria. The recommended soil cleanup criteria are presented in the table below.

TABLE 6
RECOMMENDED SOIL CLEANUP CRITERIA

Chemicals of Potential Concern		**Recommend Soil Cleanup Criteria**	
		(mg/kg)	**Basis for Criteria**
Metals	Arsenic	12	Background
	Barium	750	Ecotoxicity
	Cadmium	6.9	Groundwater Protection
	Chromium	750	Ecotoxicity
	Lead	80	Human Health
	Mercury	0.33	Groundwater Protection
	Selenium	5.2	Groundwater Protection
	Silver	8	Groundwater Protection
Pesticides	4,4'-DDD	2.4	Human Health
	4,4'-DDE	1.7	Human Health
	4,4'-DDT	1.7	Human Health
	Dieldrin	0.0023	Groundwater Protection
	Endrin	0.00065	Groundwater Protection
Polychlorinated biphenyl (PCBs)	Total PCBs	0.22	Human Health
Polycyclic Aromatic Hydrocarbons (PAH)	Benzo(a)anthracene	2.4	Background
	Chrysene	24	Background
Volatile Organic Compounds (VOCs)	Benzene	0.044	Groundwater Protection
	Ethylbenzene	3.3	Groundwater Protection r
	Naphthalene	1.2	Groundwater Protection
	Toluene	2.9	Groundwater Protection

Chemicals of Potential Concern		Recommend Soil Cleanup Criteria (mg/kg)	Basis for Criteria
	1,2,4-Trimethylbenzene	0.21	Groundwater Protection
	Xylenes	2.3	Groundwater Protection r
Total Petroleum Hydrocarbons (TPH)[1]	TPH as Gasoline	500	Groundwater Protection
	TPH as Diesel	1,000	Groundwater Protection
	TPH as Motor oil	10,000	Groundwater Protection

Notes:
[1] The TPH soil cleanup criteria are derived from the Los Angeles RWQCB's *Interim Site Assessment and Cleanup Guidebook* (RWQCB, 1996) for TPH above drinking water aquifers. Groundwater at the Site is located at least 48 feet beneath the base of the landfill. The recommended TPH soil cleanup criteria for the Site are based on a minimum separation of between 20 and 150 feet between the source contamination and groundwater.

3.3.1 Excavation Floor Criteria

Excavation floor and native soils underlying the waste pit shall not exceed the recommended soil cleanup criteria as specified in the previous section (Table 6).

3.3.2 Sidewall Cleanup Criteria

The soil samples collected from the eastern and southern sidewalls, located at the property line will be used to document remediation cleanup/waste removal activity. Soil samples collected from the northern landfill limits/sidewall located within the property will conform to the cleanup criteria developed in this Plan. Soil samples collected from the northern sidewall that exceed the cleanup criteria will require further excavation and sampling until the cleanup criteria is achieved.

4.0 PROPOSED REMEDIATION ACTIVITIES

4.1 WASTE CONTENT AND VOLUME ESTIMATE

Based on the results of the Limited ESA, Test Pit Work/Summary, and the Supplemental Soil and Soil Vapor Sampling Plan:

- Large pieces of wood, trees, plastic, tires, and construction debris geotechnically and environmentally unsuitable for use as fill have been observed, primarily from a depth of approximately 5 to 25 feet bgs in the waste area; and
- Approximately 3 to 5 feet of soil was placed above the waste pile after disposal operations were discontinued in 1954.

The Plan envisions an estimated 193,326 cubic yards of waste material and cover soil may be

encountered, removed, and processed within the disposal pit area for export to permitted landfills or recycling facilities based on the estimated footprint (226,948 square feet) and average depth (23 feet bgs) of the waste area.

Based on available Site information, TRC estimates the composition of the material to be:

- 94,815 cubic yards (128,000 tons) of soil (treated, untreated, and non-RCRA) for offsite disposal.
- 98,511 cubic yards (65,000 tons) of screened waste including wood waste, green waste, glass, metal, rubber tires, plastic, paper, roofing shingles, small rocks, concrete and asphalt to be excavated and separated for offsite disposal or recycling.

The quantities cited are based on observations at a limited number of locations, thus actual quantities of the various materials may differ.

4.2 SEQUENCE OF WORK

The activities discussed in this section will be conducted to safely and effectively implement remedial action at the Site given the estimated volume and character of the waste, onsite location, and its present condition.

These activities constitute a remedial method that will remove cover soil, solid wastes, and inter-mixed soils which may pose a threat to public health and safety, and groundwater. Removal of soil wastes and associated soil will eliminate the need for post-remediation maintenance and prepare the Site for post-remediation residential use.

The tasks are based on the characterization information provided in Section 2 of this report. The contractor selected for work will be responsible for meeting the requirements of the HASP.
The Scope of Work for remedial action at the Site includes the following activities:

- Project Mobilization – Section 4.6
- Excavation and Sequencing – Section 4.7
- Material Sorting and Management – Section 4.9
- Waste Material Profiling and Disposal – Section 4.10
- Loading and Transportation – Section 4.11
- Confirmation Sampling – Section 3.2
- Final Grading and Drainage – Section 4.12
- Demobilization - Section 4.13

Further discussion of each of these activities is described in Subsections 4.3 through 4.12. Remediation monitoring activities are discussed in Section 5.0 and Figure 2 shows the property boundaries available for the contractor to use for remediation activities. The Site access road will

not be used for soil or material stockpiles.

4.3 METHODOLOGY FOR REMEDIAL ACTION

As previously discussed the existing material that makes up the disposal Site waste includes soil with elevated levels of TPH, metals, and pesticides. The remedial activities described in this Plan are designed to eliminate potential threats the waste may have on the surrounding environment and groundwater and include the following measures:

- All waste material, recyclable material, cover soil, and soils located within the waste cell will be removed, sorted, and segregated for offsite disposal and/or recycling;
- Excavation floor (in-situ) soil samples will be collected to characterize the final site conditions (see Section 3.2.1);
- Sub-grade excavation floor, random grid samples will be collected (5 & 10 foot depth intervals) below the excavation floor to verify the removal and/or leaching of potential chemicals of concern (see Section 3.2.1);
- Sidewall samples from the excavation will be collected to document final site conditions (see Section 3.2.2);
- Remediation limits and soil sample locations will be surveyed; and
- The excavation floor will be rolled using a compaction wheel at the completion of the work to reduce permeability, lower hydraulic conductivity, and reduce infiltration into the subsurface.

4.4 PERMITTING

The contractor will obtain all necessary permits prior to beginning work. These will include:

- A grading permit issued by the County of Los Angeles/City of Commerce;
- Application for coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit [CGP] Order 2009-0009-DWQ) issued by the State Water Resources Control Board (SWRCB);
- Appropriate SCAQMD permits and plans; and
- Other required City of Commerce or Los Angeles County Permits.

4.5 SURVEYING

Prior to mobilization, a professional land surveyor (PLS) will prepare a limited topographical survey and establish control points using the appropriate City or County benchmark. The PLS will periodically visit the Site as the work progresses to survey remedial excavation limits and floor depth, or mark out and document other features at the conclusion of the remedial excavation. The surveyor may also layout the control points for the random sample grid locations.

The remediation field personnel will use a GPS unit with a minimum one meter level of accuracy to document soil confirmation sample locations or other features for final project reporting.

4.6 PROJECT MOBILIZATION

This activity includes mobilization of all personnel, equipment and supplies to the Site that are needed to perform the work described in this Plan.

The contractor will be responsible for providing its own project office or base of operations and will establish area(s) at the Site for processing of materials removed from the waste area, and stockpiling of various waste materials and soil. The exact location of the processing area(s) will be coordinated with the project manager to avoid conflict with neighboring businesses and property owners.

The contractor will provide sufficient heavy equipment for:

- Excavation of the waste;
- Onsite transportation of the excavated materials to the processing are;
- Material processing equipment to segregate soils from waste; and
- Delivery of solid waste materials to appropriately licensed disposal facilities.

The contractor will also protect existing facilities and utilities. Separation of the soils from the waste will be accomplished using:

- A Grizzly device for separation of trees, cobble, concrete, and other large waste; and
- Mechanized screen(s) for separation of soil and solid waste streams.

Water trucks will also be required for dust suppression across the site, and for adding moisture to the soil/material to prevent fugitive VOC, dust and noxious odor emissions.

4.7 EXCAVATION STAGING AND SEQUENCING

The contractor may begin excavation by removing of the top layer of soil, asphalt and concrete, etc. from the waste disposal area. Soil removed from this upper layer may be stockpiled for characterization for acceptance at a permitted disposal facility. If solid waste is encountered in this layer, it may be set aside for screening and disposal.

The excavated waste will be hauled to the processing area(s), where the waste materials will be processed directly or stockpiled to await processing and sorting. A water truck will be utilized to maintain dust control at the Site in the central processing area, material stockpiles, and haul routes. As the excavation progresses deeper into the waste area, ramp(s) may be built into the excavated area to allow access for equipment. Ramps may be extended and/or built in different locations throughout the excavation process to allow access and egress to all areas of the waste pit. The Site work will continue in this manner until a sufficient amount of buried waste and soil has been excavated from the waste pit and stockpiled in the central processing area. Subsequently, screening and sorting of the waste materials will begin. Excavation, screening, and material

sorting and management will occur simultaneously until all waste materials have been removed from the Site.

TRC field personnel, working under the direct supervision of a Professional Engineer or Geologist, will be present onsite at all times to observe and document the excavation process, and to visually inspect the buried materials as they are exposed.

Groundwater monitoring wells encountered during Plan activities will be properly decommissioned prior to the remedial work or during the work, if discovered during the remediation work. Groundwater monitoring wells discovered within the remediation limits will be decommissioned by over drilling to remove the well casing and annular materials. The borehole will then be filled from the bottom up in five foot increments using Portland cement hydrated with 5% bentonite gel.

4.8 UNKNOWN WASTES OR IMPACTS

If during excavation, heavily stained or oily material, or material with a strong hydrocarbon odor, is encountered, the contractor will be directed to place the material in a separate stockpile for characterization testing and offsite disposal.

In the event that a drum or container is discovered containing unknown waste content, the contractor will stop work in this area and notify the TRC field manager. The TRC field manager will perform the following:

- Visually assess the container from a safe distance;
- Evaluate atmospheric conditions in the work area/vicinity, using a PID and four gas meter;
- If the above conditions are determined to be safe, evaluate the container contents with a PID and four gas meter; and
- If all conditions are determined to be safe, isolate the container to a staging location and place it on plastic and cover pending environmental characterization testing for appropriate disposal.

If suspect asbestos containing material (ACM) or transite pipe is discovered, the material will be wetted with water and remain undisturbed until assessed by a California Certified Asbestos Consultant or contractor.

4.9 MATERIAL SORTING AND MANAGEMENT

4.9.1 Material Sorting Process

Mixed soil and waste materials will be transported from the waste pit to a central area(s) of the Site. A Grizzly device will used to remove oversized material (>12-inch diameter or length). Inert materials such as rock, concrete, or asphalt which are larger than 18 inches in diameter may be removed and stockpiled for processing and/or offsite disposal.

After removal of oversized materials, remaining materials will be processed through a series of

mechanized screen gradations onto a final screen opening, anticipated to between 1 and 3 inches for removal of remaining solid waste from the fine-grained materials.

4.9.2 Waste Segregation

All waste material streams recovered from the mechanized screening process will be stockpiled for appropriate offsite disposal, treatment, or recycling. Based on materials encountered during previous investigations, it is anticipated that waste debris to be disposed offsite will include various quantities of wood and green waste, treated wood, tires, plastic, metals, roof shingles, and other small quantities of material (glass, paper, etc.).

It is anticipated that stockpiles will be established for:

- Inert solid waste debris (pipe, cable, tire remnants, plastic, metal, glass, paper, non-treated wood, etc.);
- Nonhazardous soil;
- Treated soils (chemically stabilized/fixated with Portland cement);
- California hazardous waste soil; and
- Other categories deemed necessary based on compatibility, analytical testing, and permitted landfill acceptance requirements.

If any hazardous waste constituents, including contaminated soil, are discovered or suspected to be present based on visual observation during excavation, these materials will be segregated from the remainder of the excavated materials, profiled, recorded, manifested, and disposed of at an appropriate permitted landfill.

In the event containers are discovered with unknown contents, they will be segregated and stored based on physical characteristics and compatibility.

In particular, it is expected that selected areas of soil may contain elevated levels of TPH, metals, or pesticides and will likely be categorized as CalHaz waste. These materials will be segregated, profiled, and/or treated, then disposed at an appropriate disposal facility.

All cover soil, waste debris, and screened soils will be segregated and stockpiled in volumes not to exceed 1,000 cubic yards (cy) for chemical analysis, characterization, and/or offsite disposal. The sample collection shall be at a frequency of one sample per 1,000 cy. VOC-affected soils will be stockpiled in volumes not to exceed 200 cy and a total of no more than 1,000 cy of VOC-affected soil will be stockpiled onsite at any time.

4.9.3 Soil Treatment

The soils screened from the waste material and excavated soils will be placed in stockpiles no greater larger than 1,000 cy. Each stockpile will be sampled for total lead and other chemicals of concern (COC), pursuant to the disposal facility acceptance criteria. Soils containing elevated lead levels suitable for solidification/stabilization (fixation) will be treated onsite for disposal. Soil

fixation will be used to convert or stabilize soil containing soluble lead into a less soluble or non-mobile lead, suitable for disposal at a Class III facility. It is anticipated that a Portland cement and/or lime-fly ash binder/stabilizer and water process will be utilized to stabilize the lead-affected soil.

The contractor shall transport all processed materials offsite throughout the excavation and screening process to assure adequate land space necessary for the stockpiling of waste materials, and maintaining work performance and safety.

4.10 WASTE MATERIAL PROFILING AND DISPOSAL

As noted above cover soil, waste debris and screened soils will be segregated and stockpiled in volumes not to exceed 1,000 cubic yards (cy) for chemical analysis, characterization' and offsite disposal. The waste soil sample collection shall be at a frequency of one sample per 1,000 cy.

The following analytical methods are anticipated to be used as required for waste soil and/or material characterization:

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Method 8015M;
- Total petroleum hydrocarbons as diesel and motor oil (TPH-D/TPH-O), carbon chain identification for C13 to C44 using EPA Method 8015M;
- VOCs using EPA Method 8260B/5035;
- SVOCs including polynuclear aromatic hydrocarbons using EPA Method 8270C;
- Organochlorine pesticides and PCBs using EPA Method 8081/8082;
- CAM 17 metals using EPA Method 6000/7000;
- Soluble threshold limit concentration (STLC); and
- Total Threshold Limit Concentration (TCLP).

Based on the results of waste profiling and classification, the waste materials will be transported to the appropriate permitted disposal facility.

Screened soil requiring onsite treatment will be treated and profiled for acceptance at a Class III disposal facility. Onsite treatment, transportation, and disposal activities will be performed in accordance with applicable Federal, State, and local laws, regulations, and ordinances. Excavated material will be shipped by a qualified (licensed/registered and insured) waste hauler in covered (tarp, hard top, etc.) end dump trailers or other appropriate container, under manifests or appropriate shipping documents to the disposal facility.

It is anticipated that the following waste material volumes and disposal facilities will be used for waste material and waste soil disposal:

Disposal Facility	Material	Tons	Cubic Yards
El Sobrante	Inert Waste Debris/Trash	65,000	98,511
Chiquita Canyon			
Chiquita Canyon	Non-Hazardous and Treated Non-Hazardous Soil	124,000	91,852
Simi Valley			
Azusa Land Reclamation			
South Yuma County	California Hazardous Soil (non-RCRA)	4,000	2,963

For the type of material, the disposal facility (ies), address (es), and contact information is provided as follows:

Inert Waste Debris/Trash

El Sobrante Landfill (owned by Waste Management, Inc.)
10910 Dawson Canyon Road
Corona, CA 92883
Phone: (951) 277-1740

Or

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Phone: (661) 257-3655

Non-Hazardous and Treated Non-Hazardous Soils

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Phone: (661) 257-3655

Or

Simi Valley Landfill and Recycling Center
2801 Madera Rd.,
Simi Valley, CA 93065
Phone: (805) 579-7267

Or

Azusa Land Reclamation (owned by Waste Management, Inc.)
1211 W. Gladstone Street
Azusa, California 91702
Phone: (626) 815-0233

California Hazardous (Non-RCRA) Impacted Soil

South Yuma County Landfill
19536 S Avenue 1 East #1E
Yuma, AZ 85365
Phone: (928) 341-9300

4.11 LOADING AND TRANSPORTATION

Tractor trailer end dumps and high side dumps, flatbed equipment trailer trucks, and other work vehicles exceeding 1 ton in weight will be utilized during this remediation project. Qualified transporters will be hired for hauling the excavated materials offsite. The hauling contractor(s) used to transport impacted material to the offsite disposal facilities will be fully licensed and permitted by the State of California and/or the EPA. Contractors shall comply with the County of Los Angeles Truck Route Ordinance and/or California Department of Transportation (Caltrans) approved truck routes.

Trucks used for the offsite transportation of materials will remain in the designated staging area(s) until called upon for loading by the remediation contractor. During loading, excessive noise, odor, and dust emissions will be minimized. Dust will be minimized by reducing the bucket height and drop distance of material during loading and by spraying material being loaded with water, if necessary.

All trucks will exit the Site through the decontamination staging area established near the exit gate. The staging area will contain equipment (brooms, brushes, scrappers, etc.) necessary to ensure all tires, truck trailers, dump beds, etc. are free of debris and loose materials prior to departure.

Haul trucks departing the Site will be visually inspected to ensure that no fluids are leaking, tires are clean, and material being hauled is six-inches below the dump trailer freeboard and properly secured and/or covered using tarps or other appropriate devices.

No haul truck will be allowed to depart the Site without the proper manifest or bill of lading.

The selected transporters will be licensed and insured for hauling the excavated soil/material. For transportation of hazardous wastes, the selected transporter will be a registered hazardous waste hauler. The remedial excavation contractor will verify that the selected transporter has a valid registration/license and insurance policy for transporting wastes offsite and verify that the transporter has not negligently released waste material/soil during transport.

The waste hauler will be required to have a contingency plan prepared to deal with the following conditions:

- When there are emergency situations (vehicle breakdown, accident, waste spill, waste leak, fire, explosion, etc.) during transportation of excavated materials/soil from the Site to the designated treatment/disposal facility;
- When the volumes of excavated soil change; or
- When waste characteristics change.

4.12 FINAL GRADING AND DRAINAGE

No backfilling of the remedial excavation with imported soil or material is proposed. Upon the completion of confirmation sampling, excavation floor soils may be graded or relocated to slope the remedial excavation sidewalls. Soils located outside of the landfill excavation limits may also be used in conjunction with the clean excavation floor soils to stabilize (buttress) the western sidewall.

A California PLS will survey the pre-remediation topography and final remediation floor depth and excavation sidewall limits.

The remedial excavation is proposed to remove all waste materials and soil up to the Veterans Memorial Park on the Site's western property line. The method used to stabilize the Veterans Memorial Park sidewall will be addressed in the Site grading plans.

A grading permit application, grading plan, and soils engineering/geology investigation report will be submitted to the County of Los Angeles, Department of Public Works, Land Development Division for the remediation work permit. The grading plan will include a rough finish grade and erosion control plan to facilitate subsequent future development of the Site. Temporary Best Management Practices (BMPs) will be implemented to comply with the General NPDES, Stormwater Construction General Permit. Silt fence or synthetic covers will remain in place to prevent erosion and sediment transport until final site stabilization and drainage control measures associated with the Site development are implemented. A copy of the grading plan and permit will be provided to the RWQCB and the LEA prior to the implementation of the remedial work.

4.13 DEMOBILIZATION

This activity includes final cleanup and removal of all equipment and materials from the Site after the remedial action is completed.

5.0 REMEDIATION MONITORING

5.1 SITE SECURITY PLAN

Site security will be controlled in accordance with the requirements of this security plan. During removal activities, security and facilities to protect work areas from unauthorized entry, vandalism, or theft will be maintained. Chain-link type fencing will be maintained along the perimeter of the

Site to prevent unauthorized entry to any work areas during working and nonworking hours. Gates will be locked at all times when Site personnel are not in attendance.

5.2 SITE ACCESS PLAN

Construction access to the Site will be through the existing gate located off Gage Avenue near the Ramada Inn. Construction traffic must utilize this point of access throughout the duration of the work. In general, the proposed remedial action incorporates the following Site access controls:

- Site will be enclosed by chain-link fencing at all times;
- Access to the Site will be limited to the existing gate located off Gage Avenue. The gate will be locked after work hours;
- Site access will be limited to authorized personnel;
- All personnel entering the Site will be required to have appropriate health and safety training and will sign the site-specific HASP each morning or upon entry;
- All visitors will be registered and must sign in upon entering the Site; and
- Access to the excavation and stockpile areas with exposed impacted soils will be restricted in accordance with the HASP.

Vehicles and equipment used in the handling of impacted soil will be decontaminated before leaving the Site.

5.3 TRAFFIC CONTROL

Traffic control measures will be implemented as needed during the performance of the remedial action. Traffic control for the Site will conform to the ordinances and regulations of the jurisdictional agency having authority over traffic control and will conform to the latest edition of the *Work Area Traffic Control Handbook (WATCH)*, 2006 (BNI Publications, 2006). The necessary permits for traffic control will be obtained.

Truck traffic will be regulated during hauling operations and as necessary to prevent haul trucks from stopping or parking along the paved portion of Gage Avenue leading to the Ramada Inn. Haul trucks will not be allowed to idle along the Site access road and a 5 mile per hour speed limit will be imposed to prevent dust.

5.4 HEALTH AND SAFETY

A Site Health & Safety Plan (HASP) has been prepared to address health and safety hazards, regulatory compliance, and specific tasks that will be performed. All employees, contractors and their subcontractors, and site visitors must read and understand the HASP before entering the work area. The HASP is presented in Appendix G of this Plan. Personal dust monitoring, and dust control requirements are discussed in Section 5.5 and 5.8 of this Plan.

The HASP outlines procedures to minimize the health risk from exposure to potentially harmful materials such as air-borne vapors, landfill gas and fugitive dust. The HASP focuses primarily on Site workers closest to the landfill debris and cover soil where the highest potential for exposure exists. By establishing strict health and safety requirements the health risks to workers or park users would also be conservatively mitigated. Potential exposure to hazards, as well as mitigation measures, will be communicated to Site workers as a component of planned site-specific health and safety training.

The HASP has been prepared under the supervision of a Certified Industrial Hygienist (CIH) who will assist in instituting recommendations to protect nearby workers and park users from potential health risks during remediation. The HASP describes the expected and potential chemical and physical hazards, health and safety training requirements, specific personal hygiene protocols, monitoring equipment, and personal protective equipment that will be used during remediation work.

Most Site workers will be operating or driving equipment and will not likely come in direct contact with the cover soils or landfill materials. For this reason, the potential for significant exposures are minimal. However, workers who may potentially come in contact with the landfilled materials or related contaminants will be required to wear appropriate personal protective equipment (PPE) in compliance with OSHA standards.

Monitoring for air-borne emissions such as landfill gas, vapors and dust that could potentially be released during the excavation and transport of landfill debris and cover material is another important component of the HASP. Landfill gas consists primarily of methane, carbon dioxide, and trace levels of volatile and semi-volatile organic compounds.

Methane and carbon dioxide are asphyxiants since they displace oxygen, and produce a hazardous oxygen-deficient atmosphere. These gasses are not considered to be carcinogenic. Methane also presents an explosion hazard if the concentration in air exceeds 5 percent by volume. Such concentrations would normally occur only in confined or enclosed spaces. Therefore, in addition to the air monitoring requirements for remediation workers, air measurements will also be performed at the Site boundary to ensure the health and safety of the nearby community.

5.5 SITE PERSONNEL MONITORING

Personal air sampling will be conducted to test for airborne contaminants during the performance of specific remediation tasks. The air sampling will be conducted at the beginning of the work during the excavation of waste material and soils, screening of waste material and soil, and other work, as deemed appropriate by the site safety officer. During each specific operation, representative crew members will wear battery powered sampling units, each outfitted with the sample filter collection media in the breathing zone. Representative air samples will be collected over an approximately eight hour work period for each crew member, and will be analyzed by a stationary laboratory for lead using the National Institute for Occupational Safety and Health (NIOSH) Test Method 7300 modified/ Occupational Safety and Health Administration (OSHA) ID-125G. Personal air monitoring laboratory analysis documentation will be included in final remediation report.

5.6 REGIONAL CLIMATE AND WIND FLOW PATTERNS

The site is situated in a Mediterranean climate zone, experiencing mild winters and warm to hot dry summers.

The prevailing wind directions during the dry season/summer months are predominantly from the west/southwest and are related to onshore flows. In winter the winds are more variable and include onshore winds from the west as well as strong winds from the southeast and north northwest (Los Angeles Airport).

5.7 ODOR CONTROL PLAN

The Odor Control Plan will identify potential odor and VOC emission sources and receptors, monitoring methods, provide worker protection criteria, and provide mitigation methods. This Plan anticipates a Site Specific Rule 1150 Excavation Permit/Rule 1166 Contaminated Soil Mitigation Plan (Excavation Plan) will apply to Site activities.

This Excavation Plan is required:

- Prior to commencing excavation of any landfill where refuse may be exposed to the atmosphere;
- Where an underground storage tank or transfer piping was used to store or transfer VOCs; and
- During excavation, handling and storage of VOC contaminated soils.

Minimum requirements for the Excavation Plan are as follows:

- Monitoring of wind direction and speed;
- Maintain moisture of excavated material and road surfaces to minimize dust and emissions;
- Removal of loose material from haul truck exteriors;
- Cover waste material in haul truck dump beds to prevent spillage;
- Cover inactive stockpiles to minimize dust and emissions;
- Description of mitigation measures for dust, odors, and VOCs; and
- Description of monitoring equipment and techniques.

5.8 DUST CONTROL AND TESTING

Contractor will comply with SCAQMD dust and odor control requirements contained in Rules 402, 403 and 1150. This Plan serves as the Excavation Management Plan and will be submitted to the SCAQMD for approval. The Plan will be available onsite throughout the remedial action.

The SCAQMD requirements for an Excavation Management Plan include the following:

- Provide information regarding the quantity and characteristics of the material to be

excavated and transported (see Sections 2.0 and 4.0);

- Identify mitigation measures to be activated as necessary to ensure a public nuisance condition does not occur (see remainder of Section 5.0); and
- Provisions for immediate cessation of excavation activities when the operator is notified by the Executive Officer that a public nuisance has occurred (see Section 5.8.1).

5.8.1 Dust Control Supervisor

Contractor will designate an onsite Dust Control Supervisor who has successfully completed the SCAQMD Fugitive Dust Control Class and a 3 hour training class on dust control planning. The Dust Control Supervisor will call for immediate cessation of excavation if a public nuisance has occurred or if notified to do so by the SCAQMD Executive Officer.

5.8.2 Best Available Control Measures

Best Available Control Measures to be employed by the Contractor to minimize visible emissions, public nuisances, and fugitive dust will include but not be limited to:

1. **Clearing and Grubbing**: Maintain stability of soil through pre-watering of Site prior, during, and immediately after clearing and grubbing. Maintain perennial vegetation where possible. Apply water in sufficient quantity to prevent dust plumes.
2. **Cut and Fill**: Pre-water soil prior to cut and fill activities, and stabilize soil during and after cut and fill activities. Using water trucks/pulls or sprinklers, pre-water soil then allow time for penetration to depth of subsequent cut.
3. **Disturbed Soil**: Stabilize disturbed soil throughout the construction Site. Limit vehicular traffic and disturbances on soils, where possible. Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes.
4. **Earth-Moving**: Pre-apply water to depth of proposed cuts, and re-apply water as necessary to maintain soils in a damp condition and ensure that visible emissions do not exceed 100 feet in any direction or extend offsite. Stabilize soils once earth-moving activities are complete. Consider use of upwind fencing to prevent material movement onsite.
5. **Truck Loading and importing/exporting of bulk materials**: Empty loader bucket close to the truck, and in such a manner that no visible dust plumes are created. Stabilize material while loading, transporting, and unloading to reduce fugitive dust emissions. Maintain at least 6 inches of freeboard on haul vehicles. Comply with Vehicle Code Section 23114. Use tarps or other suitable enclosures on haul trucks. Check belly-dump seals and remove rocks to prevent spillage. Comply with track-out prevention/mitigation requirements. Use water while loading and unloading to reduce visible dust plumes.
6. **Screening**: Pre-water material prior to screening. Limit fugitive dust emissions to opacity and plume length standards. Stabilize material immediately after screening. Dedicate water truck or high capacity hose to screening operation. Drop material through screen slowly and minimize drop height.
7. **Crushing**: Stabilize surface soils prior to operation of support equipment, follow permit

conditions for crushing equipment, pre-water material prior to loading in crusher, monitor emissions, and stabilize and water material after crushing.

8. **Staging Areas**: Stabilize staging areas during use, and at project completion.
9. **Stockpiles/Bulk Material Handing**: Stabilize stockpiled materials, and add or remove materials from the downwind portion of the storage pile. Stockpiles within 100 feet of offsite occupied buildings must: (1) not be greater than 8 feet in height, or (2) have a road bladed to the top to allow water truck access, or (3) have an operational water irrigation system that is capable of complete stockpile coverage. Avoid steep sides or faces on storage piles.

5.8.3 Large Scale Operations

If the project qualifies as a Large Operation (>5,000 cubic yards of material moved per day, for 3 or more days), a Large Operation Notification (Form 403) will be filed with the Executive Officer (SCAQMD) within 7 days of qualifying as a large operation. In addition to the abovementioned measure, the following dust control measures will be employed for large operations:

1. Earth moving, construction fill areas: Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method D-1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first 3 hours of active operations during a calendar day, and two such evaluations during each subsequent 4-hour period of active operations.

2. Earth moving, construction cut areas: Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.

3. Disturbed surface areas, except completed grading areas:
   a) Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface.
   b) Any areas which cannot be stabilized, as evidenced by wind-driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.

4. Completed grading, disturbed surface areas: Apply chemical stabilizers within 5 working days of grading completion; or take actions specified for inactive disturbed surface areas.

5. Inactive disturbed surface areas:
   a) Apply water to at least 80 percent of all inactive disturbed surface areas on a daily

basis when there is evidence of wind-driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR

b) Apply dust suppressants if sufficient quantity and frequency to maintain a stabilized surface; OR

c) Establish a vegetative ground cover within 21 days after active operations have ceased.

Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR

d) Utilize any combination of control actions (a), (b), and (c) such that, in total, these actions apply to all inactive disturbed surface areas.

6. Unpaved Roads:
   a) Water all roads used for any vehicular traffic at least once per every 2 hours of active operations (3 times per normal 8 hour work day); OR
   b) Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR
   c) Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.
7. Open storage piles:
   a) Apply chemical stabilizers; OR
   b) Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind-driven fugitive dust; OR
   c) Install temporary coverings; OR
   d) Install a three-sided enclosure with walls with no more than 50 percent porosity which extends, at a minimum, to the top of the pile.
8. General, all categories: Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified above may be used.

5.8.4 PM_{10} Fugitive Dust Monitoring

During the remedial excavation real time dust and particulate monitoring will be conducted. Dust monitoring will be performed on a daily basis along the waste excavation perimeter near areas where the potential for generation of dust is highest. Air monitoring stations will also be positioned upwind and downwind near applicable property boundaries.

Testing for Fugitive Dust control will be conducted to document that the difference between PM_{10} levels, and particulate matter with an aerodynamic diameter smaller than or equal to 10 microns (as measured by the applicable State and Federal reference standard) of simultaneous upwind and downwind monitors, do not exceed 50 micrograms per cubic meter.

Equipment

Real-time particulate monitoring will be performed using a combination of four MIE Model pDR-1000, personal/DataRAMs, or similar device. One pDR-1000 will be placed upwind and two pDR-1000 units will be placed downwind near the site perimeter. Instrument height will be approximately 4 feet above the ground surface. The locations of the dust monitors will be adjusted throughout the day when needed based upon prevailing wind direction as indicated by a weather vane installed at the site, weather station readings, or a hand-held wind speed meter. The fourth pDR-1000 unit will be a "roving" unit to be placed adjacent to the active excavation or dust generating activity and moved frequently throughout the day to identify potential dust issues before registering at the Site perimeter. The monitors will provide instantaneous and time-weighted average (TWA) concentrations of particulate matter in the size of 10 microns or less (PM_{10}).

At approximately 2-hour intervals during each day of operation, the technician will record the "instantaneous" (10-second) concentration displayed by each monitor. The technician will also document the activities or conditions that could potentially lead to elevated dust concentrations. Each unit will be set to record PM_{10} readings every 10 minutes during the hours of excavation operation. If practical, the data stored by each unit will be downloaded to a computer at the end of the day and printed out as a daily record (or at a minimum, the end of each work week).

PM_{10} fugitive dust monitoring will be performed by the contractor each day.

5.9 Documentation Activities

All stages of remediation shall be documented to provide evidence of satisfactory work performance. The information shall be recorded on a standardized form or in a bound field logbook.

Daily recordkeeping will be performed by the TRC Superintendent or field representative to record remedial excavation activities, including results of visual observations, laboratory/field test data, sampling, repairs, problems, solutions, and general field activity.

The daily field inspection reports (if necessary) shall be reviewed by the Engineer or Project Manager/Director for submittal to the Owner. One complete set of the daily reports shall be kept onsite by TRC personnel at all times. The contractor will be notified of the test results so that corrective action can be taken and retests completed.

6.0 REMEDIATION COMPLETION REPORT

Following completion of remedial activities, a final report for the eastern portion of the landfill will be prepared by the project geologist or engineer, documenting the removal of all waste materials from this area. The report shall include a description of field activities, figures, tables, official laboratory test results, manifests, and discuss typical removal conditions and procedures.

The report will be stamped by the professional civil engineer or professional geologist, and then submitted for approval to the RWQCB and the Local Enforcement Agency.

7.0 POST REMEDIATION MAINTENANCE ACTIVITIES

Since this remedial activity removes potential threats to water quality, post-maintenance activities for this Site are not planned.

8.0 SCHEDULE

Comstock intends to authorize mobilization for remediation activities upon receiving approval of this Plan by the RWQCB, upon receipt of any other permits or authorizations from the City of Commerce or other jurisdictional agencies and absent objections from the LEA. Construction activities are anticipated to be completed 6 months after providing the Contractor with a Notice to Proceed.

9.0 REFERENCES

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TABLES

Table 1
Test Pit and Trench Investigation
Summary of Total Petroleum Hydrocarbons in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Gasoline Range Organics (C4-C12)		(C8 - C9)	(C10 - C11)		(C12 - C14)	(C15 - C16)		(C17 - C18)		(C19 - C20)	(C21 - C22)		(C23 - C28)	(C29 - C32)	(C33 - C36)	(C37 - C40)	(C41 - C43)	(C44 plus)	Total (C8 - C44+)
Soil Screened Samples																						
CSS-1	NA	1/14/2014	ND		ND	12		23	30		45		87	120		290	250	72	53	42	ND	1000
CSS-2	NA	1/14/2014	0.13	J	ND	12		24	28		41		68	100		280	240	73	53	44	ND	970
T6-CSS-1	NA	1/17/2014	ND		ND	3.0	J	7.4	14		26		45	68		170	140	54	38	30	ND	600
T8-SS1	NA	1/21/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T7-CSS1	NA	1/21/2014	ND		ND	ND		14	23		39		68	140		250	270	170	100	41	ND	1100
Excavation Floor Samples																						
TP-1-23	NA	1/16/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
TP-2-23	NA	1/16/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T6-27	NA	1/17/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T7-26	NA	1/21/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T8N-11	NA	1/23/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T8S-17	NA	1/23/2014	ND		ND	ND		ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND

Notes:
Analysis by Luft and EPA Method 8015CC for purgeable aromatics and total petroleum hydrocarbons.
ND = Analyte not detected at or above the reporting limit.
J = Estimated value (CLP Flag).
All TPH concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 2
Test Pit and Trench Investigation
Summary of Volatile Organic Compounds in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	1,2,4-Trimethyl-benzene		Benzene		Ethylbenzene		Toluene		Total Xylenes		Naphthalene		Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)
Soil Screened Samples																
CSS-1	NA	1/14/2014	ND		ND		0.0024	J	ND		ND		ND		ND	ND
CSS-2	NA	1/14/2014	ND		0.0018	J	0.0023	J	ND		ND		ND		ND	ND
T6-CSS-1	NA	1/17/2014	ND		ND		ND		ND		ND		0.079		ND	ND
T8-SS1	NA	1/21/2014	ND		ND		ND		ND		ND		ND		ND	ND
T7-CSS1	NA	1/21/2014	ND		ND		ND		ND		ND		0.0037	J	ND	ND
Excavation Floor Samples																
TP-1-23	NA	1/16/2014	ND		ND		ND		ND		ND		ND		ND	ND
TP-2-23	NA	1/16/2014	ND		ND		ND		ND		ND		ND		ND	ND
T6-27	NA	1/17/2014	ND		ND		ND		ND		ND		ND		ND	ND
T7-26	NA	1/21/2014	ND		ND		ND		ND		ND		ND		ND	ND
T8N-11	NA	1/23/2014	ND		ND		ND		ND		ND		ND		ND	ND
T8S-17	NA	1/23/2014	ND		ND		ND		ND		ND		ND		ND	ND

Notes:
EPA Method 8260B for volatile organic analysis (VOCs).
ND = Analyte not detected at or above the reporting limit.
J = Estimated value (CLP Flag).
All VOC concentrations reported in mg/kg.

Table 3
Test Pit and Trench Investigation
Summary of Polycyclic Aromatic Hydrocarbons in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Benzo(a) anthracene		Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene		Dibenz(a,h) anthracene
Soil Screened Samples										
CSS-1	NA	1/14/2014	ND		ND	ND	ND	ND		ND
CSS-2	NA	1/14/2014	ND		ND	ND	ND	ND		ND
T6-CSS-1	NA	1/17/2014	ND		ND	ND	ND	ND		ND
T8-SS1	NA	1/21/2014	ND		ND	ND	ND	ND		ND
T7-CSS1	NA	1/21/2014	0.11	J	ND	ND	ND	0.16	J	ND
Excavation Floor Samples										
TP-1-23	NA	1/16/2014	ND		ND	ND	ND	ND		ND
TP-2-23	NA	1/16/2014	ND		ND	ND	ND	ND		ND
T6-27	NA	1/17/2014	ND		ND	ND	ND	ND		ND
T7-26	NA	1/21/2014	ND		ND	ND	ND	ND		ND
T8N-11	NA	1/23/2014	ND		ND	ND	ND	ND		ND
T8S-17	NA	1/23/2014	ND		ND	ND	ND	ND		ND

Notes:
EPA Method 8270C for base neutral acid extractables organic analysis.
ND = Analyte not detected at or above the reporting limit.
J= Estimated value (CLP Flag).
All PAH concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 4
Test Pit and Trench Investigation
Summary of Organo-Chlorine Pesticides and Total PCBs in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	4,4'-DDD		4,4´-DDE		4,4´-DDT		Dieldrin	Endrin	Total PCBs
Soil Screened Samples											
CSS-1	NA	1/14/2014	**40**		0.92		**170**		**6.1**	4.8	ND
CSS-2	NA	1/14/2014	**16**		0.90		**29**		**2.7**	3.2	ND
T6-CSS-1	NA	1/17/2014	ND		ND		ND		ND	ND	ND
T8-SS1	NA	1/21/2014	0.00032	J	0.00052		0.0013		ND	ND	ND
T7-CSS1	NA	1/21/2014	1.5		0.20		3.2		ND	0.19	ND
Excavation Floor Samples											
TP-1-23	NA	1/16/2014	ND		ND		ND		ND	ND	ND
TP-2-23	NA	1/16/2014	ND		ND		ND		ND	ND	ND
T6-27	NA	1/17/2014	ND		ND		ND		ND	ND	ND
T7-26	NA	1/21/2014	ND		ND		0.0010		ND	ND	ND
T8N-11	NA	1/23/2014	ND		ND		ND		ND	ND	ND
T8S-17	NA	1/23/2014	ND		ND		ND		ND	ND	ND

Notes:

Analysis by EPA Method 8080 for organochlorine pesticides and polychlorinated biphenyls (PCBs).

ND = Analyte not detected at or above the reporting limit.

J = Estimated value (CLP Flag).

All concentrations reported in mg/kg.

See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 5
Test Pit and Trench Investigation
Summary of Metals in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Arsenic		Barium	Cadmium		Chromium	Lead		Mercury		Selenium	Silver	
Soil Screened Samples															
CSS-1	NA	1/14/2014	**9.8**		150	1.1		25	160		0.15	J	3.0	0.45	J
CSS-2	NA	1/14/2014	**27**		150	1.1		31	260		0.19		3.7	0.41	J
T6-CSS-1	NA	1/17/2014	**5.2**		130	0.84		23	170		0.15	J	2.2	0.38	J
T8-SS1	NA	1/21/2014	**6.9**		130	ND		24	7.5		0.066	J	7.3	ND	
T7-CSS1	NA	1/21/2014	**5.6**		170	**84**		38	140		0.22		14	2.0	
Excavation Floor Samples															
TP-1-23	NA	1/16/2014	0.68	J	37	ND		7.7	1.5	J	ND		ND	ND	
TP-2-23	NA	1/16/2014	0.86	J	51	ND		11	2.1	J	ND		2.0	ND	
T6-27	NA	1/17/2014	**3.9**		120	ND		22	6.3		0.048	J	4.2	0.087	J
T7-26	NA	1/21/2014	**1.7**		41	ND		5.8	1.2	J	0.026	J	3.9	ND	
T8N-11	NA	1/23/2014	**3.8**		53	ND		11	2.7		0.058	J	4.7	ND	
T8S-17	NA	1/23/2014	**3.6**		34	ND		9.0	1.4	J	0.037	J	1.7	ND	

Notes:
Analysis by EPA Method 6010B and 7471A for total concentrations.
ND = Analyte not detected at or above the reporting limit
J = Estimated value (CLP Flag).
All metals concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL)

FIGURES



NOTE:

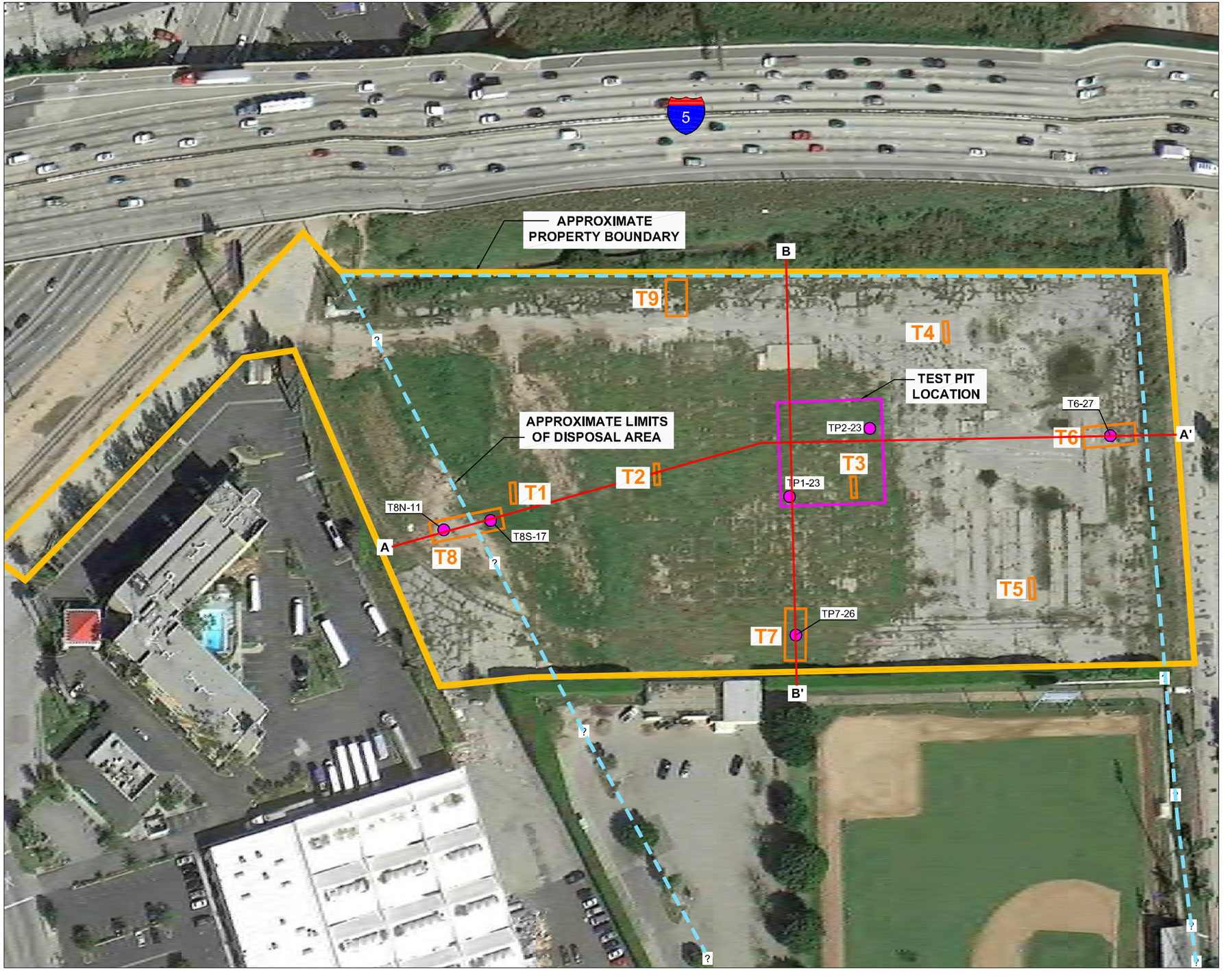
Modified from a map provided by Google Earth Professional, dated 3/7/2011.

SCALE (FEET)

0 200

TRC	PROJECT: 203004	SITE PLAN
	FACILITY: COMSTOCK GAGE LLC C/O COMSTOCK REALTY PARTNERS 7316 EAST GAGE AVENUE COMMERCE, CALIFORNIA	FIGURE 1

MS=1:200 L:\Graphics\ProjectsByName\Comstock (Commerce Disposal)\CADD\Comstock-AerialLdwg Apr 28, 2014 - 3:38pm Rcollins



LEGEND

TP1 Excavation Floor Sample Location

Test Pit Location

T9 Trench Location

Approximate Limits of Disposal Area

A — A' Cross Section Location

N

SCALE (FEET)

0 100

NOTE:

Modified from a map provided by Google Earth Professional, dated 3/7/2011.

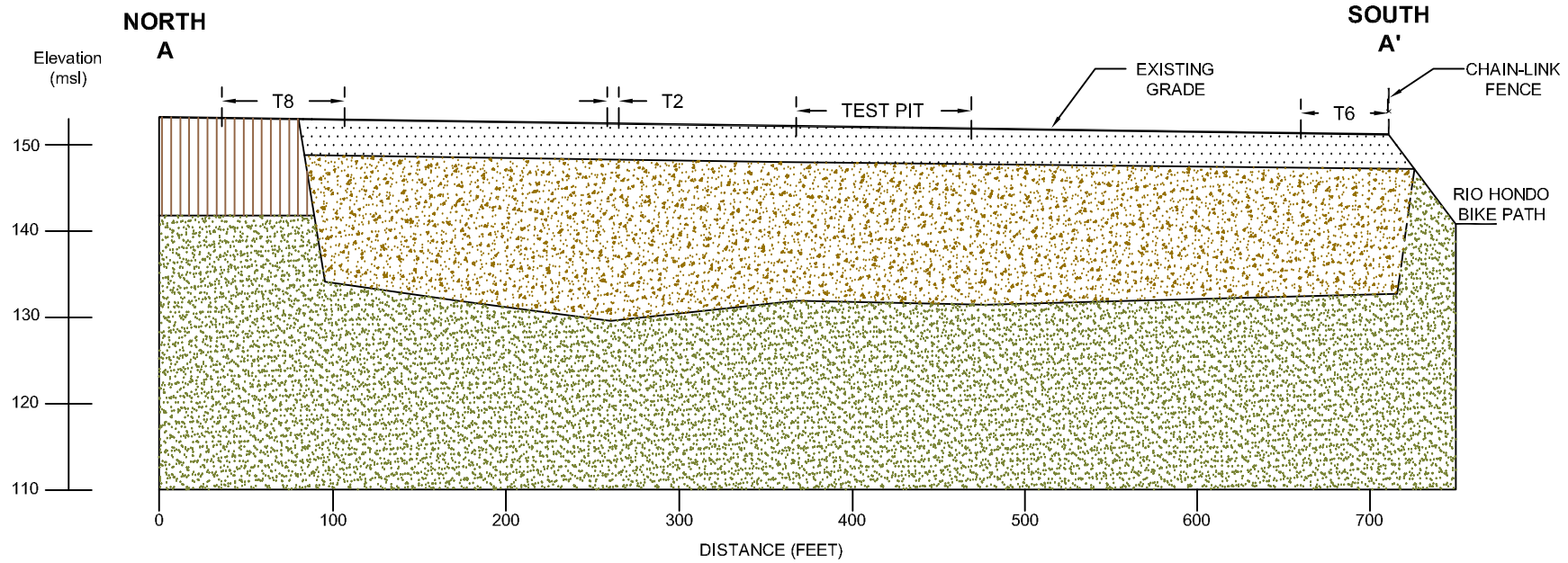
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FACILITY:	COMSTOCK GAGE LLC C/O COMSTOCK REALTY PARTNERS 7316 EAST GAGE AVENUE COMMERCE, CALIFORNIA

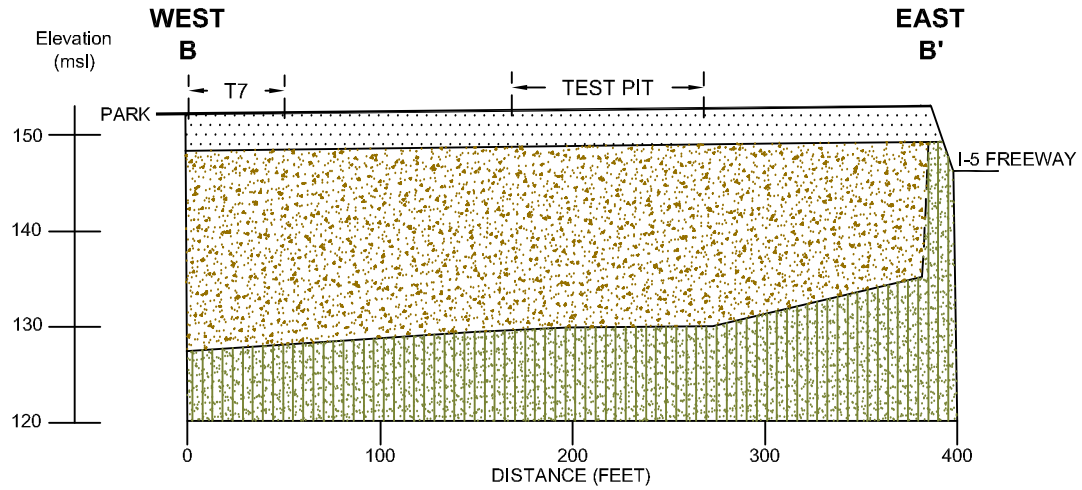
SITE PLAN SHOWING PREVIOUS SAMPLE LOCATIONS

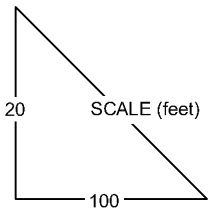
TRC

FIGURE 2

MS=1:100 L:\Graphics\ProjectsByName\Comstock (Commerce Disposal)\CADD\Comstock-Aerial.dwg Mar 03, 2015 - 3:05pm rcollins







LEGEND

- Cover Soil
- Fill (Silt)
- Disposal Area
- Sand/Silty Sand

NOTES:

fbg = feet below grade. msl = mean seal level. See Figure 2 for location of Cross Section. All dimensions and locations are approximate.

TRC

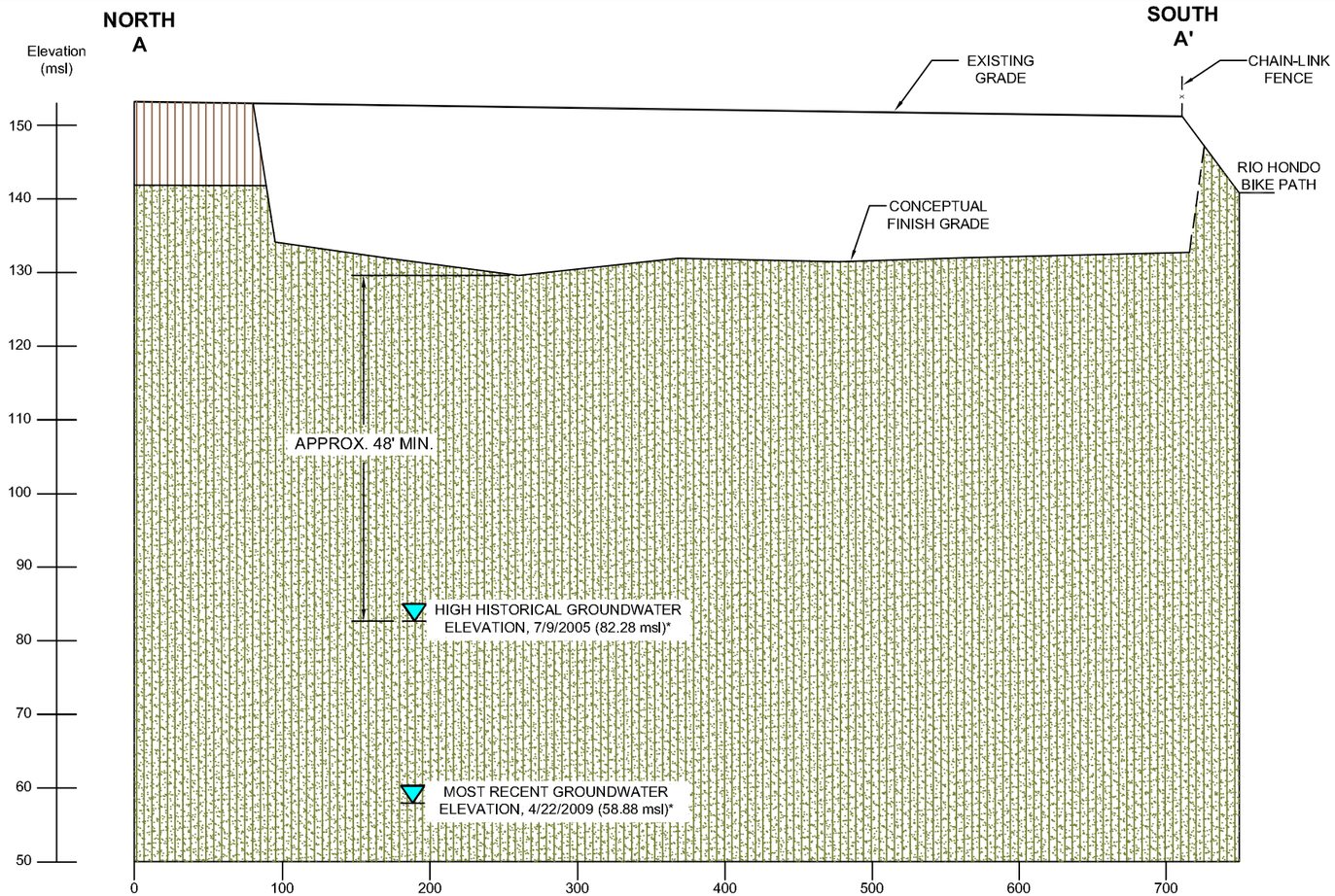
PROJECT: 203004

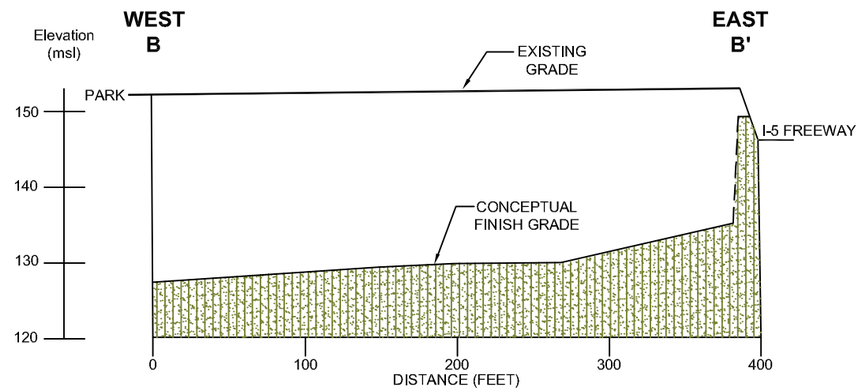
FACILITY:
COMSTOCK GAGE LLC
C/O COMSTOCK REALTY PARTNERS
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

GAGE AVENUE DISPOSAL AREA
CROSS SECTIONS A-A' & B-B'

FIGURE 3

L:\Graphics\ProjectsByName\Comstock (Commerce Disposal)\CADD\Comstock-XSECT.dwg Apr 29, 2014 - 4:24pm Rcollins





LEGEND

- Fill (Silt)
- Sand/Silty Sand
- Groundwater Elevation

20 SCALE (feet) 100

NOTES:

fbg = feet below grade. msl = mean seal level. See Figure 2 for location of Cross Section.
* = Former Mobil Service Station, Groundwater Monitoring Well MW-7A. All dimensions and locations are approximate.

TRC

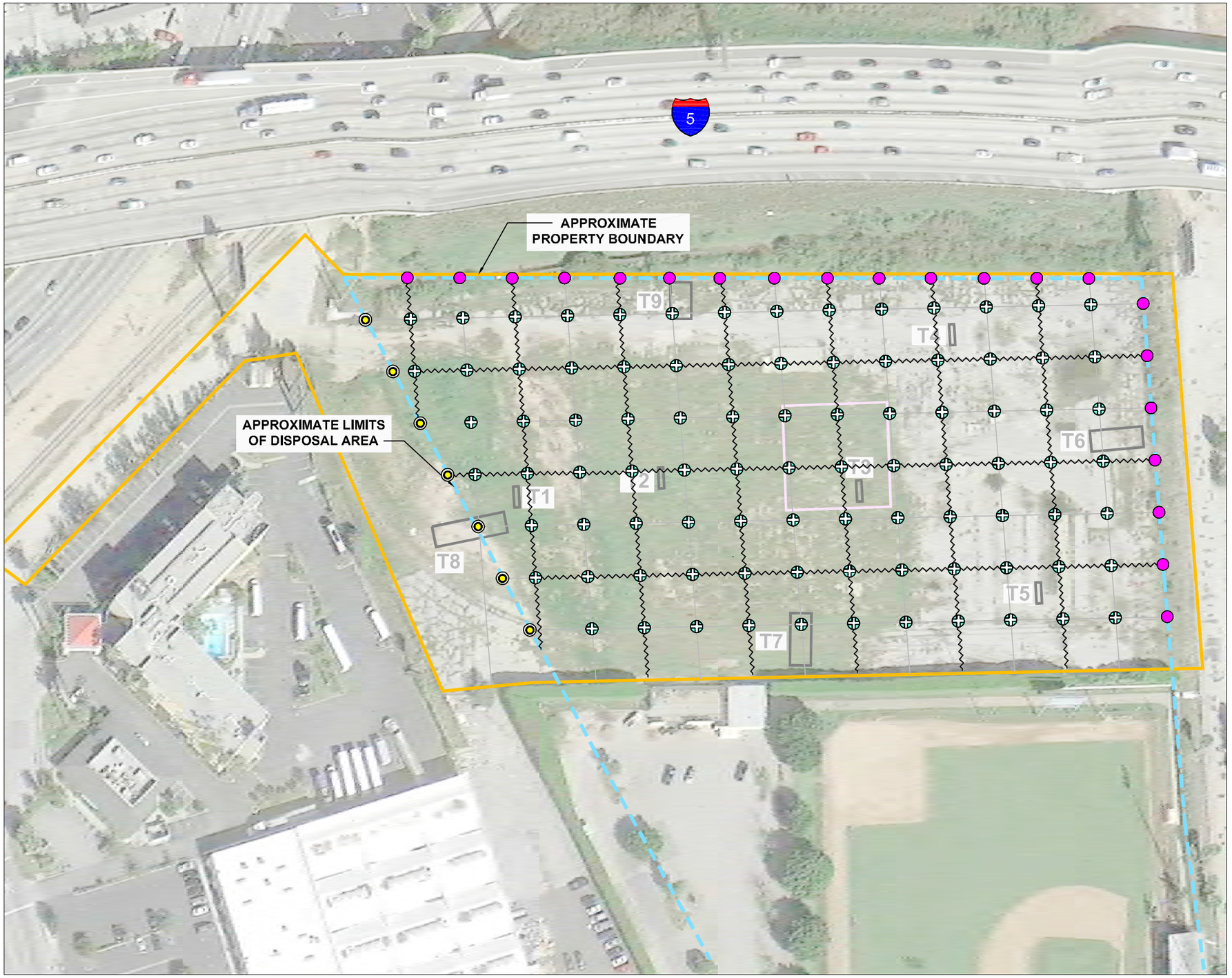
PROJECT: 203004

FACILITY:
COMSTOCK GAGE LLC
C/O COMSTOCK REALTY PARTNERS
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

CONCEPTUAL ROUGH FINISH GRADE CROSS SECTION

FIGURE 4

L:\Graphics\ProjectsByName\Comstock (Commerce Disposal)\CADD\Comstock-XSECT.dwg Mar 03, 2015 - 3:07pm rcollins



NOTE:

bgs = below ground surface. Modified from a map provided by Google Earth Professional, dated 3/7/2011.

N

LEGEND

- Approximate Excavation Floor Sample Location
- Approximate Sidewall Sample Location (sample to be collected at 5 and 10 feet bgs)
- Approximate Sidewall Sample Location (sample to be collected at midpoint)
- Random Sample Cell Location
- Test Pit Location
- T9 Trench Location
- Approximate Limits of Landfill

SCALE (FEET)

0 100

PROJECT:	203004
FACILITY:	COMSTOCK GAGE LLC C/O COMSTOCK REALTY PARTNERS 7316 EAST GAGE AVENUE COMMERCE, CALIFORNIA

PROPOSED SOIL SAMPLE LOCATIONS

TRC

FIGURE 5

MS=1:100 L:\Graphics\ProjectsByName\Comstock (Commerce Disposal)\CADD\Comstock-PROPSamples.dwg Jan 27, 2015 - 1:24pm rcollins

APPENDIX A

TRC LIMITED
ENVIRONMENTAL SITE ASSESSMENT REPORT

123 Technology Drive
Irvine, California 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

June 10, 2013

Mr. Adrian Comstock
Comstock Realty Partners
1801 Avenue of the Stars, Suite 421
Los Angeles, CA 90067

RE: LIMITED ENVIRONMENTAL SITE ASSESSMENT
FORMER GAGE AVENUE LANDFILL
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

Dear Mr. Comstock:

TRC is pleased to submit this report summarizing the findings of a limited environmental site assessment for the Former Gage Avenue Landfill property located at 7316 East Gage Avenue in Commerce, California.

If you have any questions regarding this report, please call me at (949) 341-7458.

Sincerely,

TRC

David Lennon
Principal Consultant

cc:

LIMITED ENVIRONMENTAL SITE ASSESSMENT REPORT

June 10, 2013

Former Gage Avenue Landfill
7316 East Gage Avenue
Commerce, California

Prepared For

Comstock Realty Partners
1801 Avenue of the Stars, Suite 421
Los Angeles, CA 90067

Prepared By



Jim Ferrara, PG
Senior Project Geologist

TRC
123 Technology Drive
Irvine, California 92618

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A 2004 Geotechnical Investigation Report
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1.0 INTRODUCTION AND OBJECTIVE

This report presents the results of limited environmental site assessment activities conducted at 7316 East Gage Avenue, Commerce, California (the Site [see Figure 1]). The objective of these activities was to excavate five test trenches to verify the landfill material floor depth and collect soil samples for environmental testing. Figure 2 shows the five test trench locations.

This scope of work was conducted in accordance with TRC's Cost Estimate for Phase II Environmental Site Assessment dated April 25, 2013.

2.0 SITE DESCRIPTION

The Site consists of approximately 7.92 acres of vacant land with no structures in a mixed commercial/industrial area and is identified by the Los Angeles County Office of the Assessor as Parcel Number 6357-018-005. The property is bounded to the north by the Southern Pacific Railroad main line and right-of-way, to the east by Interstate 5 freeway, to the south by the Rio Hondo percolation basin/flood control channel and to the west by the Veteran's Memorial Park.

3.0 SITE HISTORY

From approximately 1950 to 1954, the Site was reportedly operating as the Gage Avenue Landfill, accepting municipal solid wastes, construction debris and inert fill materials. The Gage Avenue Landfill is identified in the California Solid Waste Information System (SWIS) database as facility No. 19-AA-5543. In 1958, an approximately 52,160 square-foot rectangular commercial building and railroad spur was constructed over the landfill material at the Site. The commercial building was declared unsafe by the County of Los Angeles Fire Department in February 1991 due to settling of the ground surface beneath the pile supported building structure and was demolished in 1992. The Site is currently vacant undeveloped land partially covered with asphalt.

4.0 GEOLOGY AND HYDROGEOLOGY

The Site situated at an elevation of approximately 151 feet relative to mean sea level (msl) with the surface elevation sloping gently towards the south. Depth to groundwater at the Site is estimated to be approximately 90 feet below grade (fbg) based on historical groundwater monitoring events conducted at 7825 Telegraph Road (GeoTracker, 2013). The Site is centrally situated at the southern edge of the Montebello Plain physiographic feature within the Coastal Plain of the Los Angeles Basin. According to published geologic maps and cross sections (CDWR, 1961), the Site overlies late Pleistocene-age sediments of the Lakewood formation. The Lakewood formation is described as being sedimentary in origin and consists of marine and continental gravel, sand, silty sand, silt, and clays. The Site lies within the Central Groundwater Basin, a subdivision of the Coastal Plain of Los Angeles County east and northeast of the Newport-Inglewood uplift. Local hydrostratigraphic features (from shallowest to deepest) include the Bellflower aquiclude, Exposition aquifer and Gage aquifer within the Lakewood

formation. Deeper hydrostratigraphic features of the underlying San Pedro formation include the Hollydale aquifer, Lynwood aquifer, Silverado aquifer, and Sunnyside aquifer. The aquifers of the Central Groundwater Basin are generally separated by low-permeability aquitards that limit vertical groundwater conductance between aquifers (CDWR, 1961).

5.0 PREVIOUS ENVIRONMENTAL ACTIVITIES

An 8,000 gallon diesel underground storage tank (UST) was installed at the Site in 1975 and removed in 1989. During UST removal, petroleum hydrocarbon contaminated soil was discovered in soil samples collected from within the former tank cavity. The California Regional Water Quality Control Board, Los Angeles Region, issued a regulatory case closure letter for this case on March 10, 1998.

A geotechnical investigation for Dynamics Builders was conducted in 2004. Ten soil borings were advanced to a maximum depth of 80.5 fbg indicating landfill cell debris up to 29 feet in depth. The 2004 effort subsequently advanced 173 supplemental borings, using a 40-foot grid pattern to further evaluate landfill cell thickness across the Site. During the supplemental investigation, an "oil contamination smell" was observed in Soil Boring 79. A copy of the 2004 Geotechnical Investigation Report is included in Appendix A.

6.0 ASSESSMENT ACTIVITIES

6.1 PRE-FIELD

Prior to conducting assessment activities:

- A site health and safety plan was prepared.
- The proposed trenching locations were staked and the property boundaries marked with white spray paint prior to Underground Service Alert (USA) notification. The owners of underground utilities in the area were notified by USA, and the utilities present at the property boundaries were marked.

6.2 TRENCH INVESTIGATION

On May 8, 2013, five trench locations (T1 through T5) were excavated throughout the Site to estimate the landfill cell floor depth, estimate the quantity of landfilled material in relation to soil within the cell, and to obtain soil samples for environmental testing. Figure 2 shows the approximate locations of the five test trenches. The surface dimensions of the five trenches were approximately 5 feet by 20 feet. The depth of the trenches ranged from approximately 19 to 23 fbg. Gray, fine-grained sand was encountered in the underlying soil at the bottom of each test trench. Groundwater was not encountered in any of the test trenches. A copy of the trench logs is provided in Appendix B.

6.3 SOIL SAMPLING AND ANAYSIS

Field-composited, landfill-derived soil samples were collected from the following depth intervals:

- 0 to 5 fbg (1, 2, 3, 4 & 5 foot depth intervals);
- 5 to 10 fbg (6, 7, 8, 9 & 10 foot intervals from the excavator bucket);
- 10 to 15 fbg (11, 12, 13, 14 & 15 foot intervals from the excavator bucket); and
- 15 to 20+ fbg (1 foot intervals starting at 16 fbg).

Two non-composited soil samples were collected of the material underlying the landfill cell floor at 18 and 23 fbg, approximately 1 foot below the cell floor. Soil samples T4-18 and T2-23 were collected from gray, fine-grained sand underlying the landfilled materials.

Soil gas was measured prior to and during trench excavation. A four-gas meter was utilized to measure methane, hydrogen sulfide, carbon dioxide and percentage of oxygen. A photoionization detector (PID) was used to measure volatile organic compounds (VOCs). Soil gases in ambient air were not detected prior to trench excavation. Methane concentrations up to 590 parts per million (ppm) and carbon dioxide up to 1,000 ppm were measured in the stockpiled material following excavation. VOCs were measured in Trench T1 at 4 fbg, up to 52 ppm.

A total of 22 soil samples were submitted to BC Laboratories, Inc. in Bakersfield, California for chemical analysis. Twenty soil samples (four samples per trench) were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by California LUFT, and TPH carbon chain (TPH-cc) by EPA Method 8015, VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, organo-chlorine pesticides and polychlorinated biphenyls (PCBs) by EPA Method 8080 and Title 17 metals by EPA Methods 6010B/7000.

6.4 BACKFILLING

Excavated materials were placed back into the respective trench and tamped into place with the excavator bucket.

7.0 FINDINGS

A select summary of the results of laboratory analysis of soil samples collected is presented below. For all analyzed chemicals, refer to the Official Laboratory Report in Appendix C.

- Total petroleum hydrocarbons (C8 to C44) were detected in 19 of the 20 soil samples ranging from 440 to 8,500 milligrams per kilogram (mg/kg). Composited soil samples T1-5 and T4-15 reported TPH concentrations of 8,500 and 8,000 mg/kg, respectively. The majority of the hydrocarbons detected were within the oil range (C21 to C43).

- TPH-G (C4-C12) was detected in 15 of the 20 soil samples at concentrations ranging from 0.24J mg/kg to 39 mg/kg. Soil sample T1-5 collected from Trench 1 was reported with the highest concentration of 39 mg/kg.

- VOCs were detected at concentrations less than 1.0 mg/kg in 17 of the 20 soil samples. No detectable concentrations of tetrachloroethylene (PCE) or trichloroethylene (TCE) were detected in any of the soil samples. See Table 2.

VOCs were detected at concentrations less than 1.0 mg/kg in 17 of the 20 soil samples. No detectable concentrations of tetrachloroethylene (PCE) or trichloroethylene (TCE) were detected in any of the soil samples. See Table 2.

- SVOCs were detected in 6 of the 20 samples. Concentrations of bis(2-ethylhexyl)phthalate up to 11 mg/kg were detected in sample T1-5. Concentrations of fluorene, 2-methylnaphthalene, naphthalene, phenanthrene and pyrene were detected in soil sample T4-18. No detectable concentrations of polycyclic aromatic hydrocarbons (PAHs) were detected in the 19 other soil samples.

- Pesticides were detected in 13 of 20 soil samples. The compounds and their maximum concentrations are as follows: 4,4´-DDD (28 mg/kg), 4,4´-DDE (1.1 mg/kg), 4,4´-DDT (7.8 mg/kg), dieldrin (9.6 mg/kg), and endrin (0.59 mg/kg). The regional screening levels (RSLs) for pesticides in industrial soil were exceeded for 4,4´-DDD, 4,4´-DDT and dieldrin. See Table 4 the Summary of Organo-Chlorine Pesticides in Soil.

- PCBs were detected in 1 of the 20 soil samples. Soil sample T2-5 had a PCB-1260 concentration of 0.47 mg/kg.
- Total lead was detected in each of the 20 soil samples collected at concentrations ranging from 1.8J to 1,400 mg/kg. The RSL for lead in industrial soil (800 mg/kg) was exceeded in 6 of the 20 soil samples. See Table 5 for a summary of laboratory results.
- Total arsenic was detected in each of the 20 soil samples collected at concentrations ranging from 1.6 to 23 mg/kg. The RSL for arsenic in industrial soil (1.6 mg/kg) was exceeded in each of the 20 soil samples. These arsenic concentrations appear to be consistent with typical background concentrations for soils. See Table 5 for a summary of laboratory results.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The soil and/or fine grained material samples collected from the five trench excavations identified petroleum hydrocarbons, lead, and other organic chemical impacts at the Site. The chemicals identified in the samples were consistent with the anticipated impacts to the Site soil

and with the proposed closure plan for the Site. The landfill debris identified in each of the five trench excavation locations consisted primarily of wood, asphaltic building material, tire rubber, plastic, paper, green waste and metal. The debris profile is also consistent with the proposed closure plan for the Site. It is anticipated that a majority of the site soil will meet the site cleanup goals and will be available for reuse as backfill material for the Site.

Some concentrations of the detected chemical constituents exceed the EPA Region IX, Remedial Screening Levels for industrial sites. Therefore, it is anticipated that a limited amount of the chemical impacted soil will require offsite disposal. This soil will be either directly disposed of offsite in a Class III landfill or treated onsite prior to offsite disposal at Class III landfill. The offsite disposal of a limited amount of chemically impacted soil is consistent with the proposed landfill closure plan.

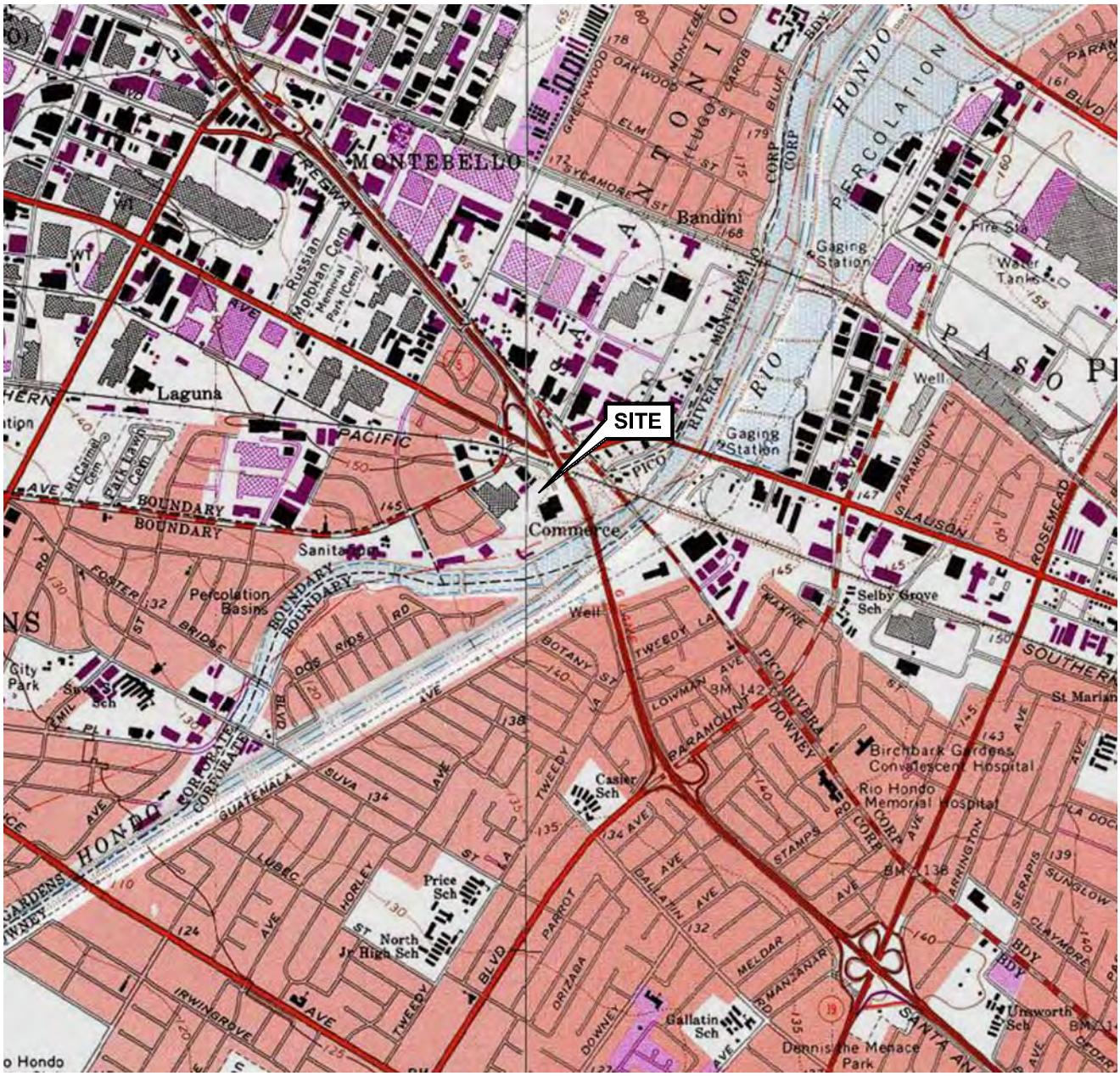
TRC recommends the land fill closure work plan submittal process commence. The work plan process is administered by the State of California Water Resources Control Board (SWRCB) and includes specific regulatory required steps to complete the closure of the landfill in accordance to California Code of Regulations, Title 27. The first step in the work plan process is to determine the future use of the site and identify the limits of the landfill that will be closed. The timeline for preparing and submitting the work plan is 15 business days after the completion of the field investigation, and the expected work plan approval by the SWRCB occurs approximately 60 - 90 days thereafter.

9.0 REFERENCES

California State Water Resources Control Board website, GeoTracker environmental data for regulated facilities in California, April 2013. http://geotracker.waterboards.ca.gov/esi/uploads/geo report.

California Department of Water Resources (CDWR), Coastal Plain of Los Angeles County Groundwater Basin, West Coast Subbasin, Bulletin 118, 1961.

FIGURES



0 1/4 1/2 3/4 1 MILE

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N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Los Angeles Quadrangle



TRC

COMSTOCK REALTY PARTNERS
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

VICINITY MAP

FIGURE 1

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NOTE:

Modified from a map provided by Google Earth Professional, dated 3/7/2011.

SCALE (FEET)

0 100

TRC

PROJECT: 203004

FACILITY:

COMSTOCK REALTY PARTNERS
7316 EAST GAGE AVENUE
COMMERCE, CALIFORNIA

TRENCH LOCATION MAP

FIGURE 2

MS=1:200 L:\Graphics\ProjectsByName\Comstock (Commerce Landfill)\CADD\Comstock-Aerial.dwg May 21, 2013 - 11:54am Rcollins

TABLES

Table 1
Summary of Total Petroleum Hydrocarbons in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Gasoline Range Organics (C4-C12)		(C8 - C9)	(C10 - C11)	(C12 - C14)	(C15 - C16)		(C17 - C18)		(C19 - C20)	(C21 - C22)		(C23 - C28)	(C29 - C32)	(C33 - C36)	(C37 - C40)	(C41 - C43)	(C44 plus)	Total (C8 - C44+)
T1-5	1, 2, 3, 4, 5	5/8/2013	39		ND	ND	290	150		240		410	730		3300	2000	1100	180	ND	ND	8500
T1-10	6, 7, 8, 9, 10	5/8/2013	3.9		ND	ND	ND	280		120		410	380		1300	810	600	120	ND	ND	4100
T1-15	11, 12, 13, 14, 15	5/8/2013	1.4		ND	ND	97	58		110		190	310		1100	920	900	170	250	ND	4100
T1-20	16, 17, 18, 19, 20	5/8/2013	0.98	J	ND	ND	50	31		51		83	140		470	380	350	71	100	ND	1700
T2-5	1, 2, 3, 4, 5	5/8/2013	ND		ND	ND	1.8	2.0		6.0		ND	35		170	120	75	11	11	ND	440
T2-10	6, 7, 8, 9, 10	5/8/2013	ND		ND	ND	20	26		48		84	96		220	130	110	23	ND	ND	760
T2-15	11, 12, 13, 14, 15	5/8/2013	1.0		ND	ND	60	75		160		240	330		1500	820	440	71	90	ND	3800
T2-23	23	5/8/2013	ND		ND	ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND		ND	ND	ND	ND		18	J	39	26	J	190	180	200	51	100	ND	810
T3-10	6, 7, 8, 9, 10	5/8/2013	1.3		ND	ND	37	19		39		77	120		400	290	290	63	100	ND	1400
T3-15	11, 12, 13, 14, 15	5/8/2013	ND		ND	ND	37	18	J	41		72	120		370	270	290	72	140	ND	1400
T3-20	16, 17, 18, 19, 20	5/8/2013	0.74	J	ND	ND	23	13	J	21		49	85		380	360	320	67	110	ND	1400
T4-5	1, 2, 3, 4, 5	5/8/2013	0.43	J	ND	ND	15	17		52		100	140		390	270	240	48	61	ND	1300
T4-10	6, 7, 8, 9, 10	5/8/2013	0.74	J	ND	ND	38	21		44		76	130		400	280	270	51	54	ND	1400
T4-15	11, 12, 13, 14, 15	5/8/2013	0.65	J	ND	ND	89	77		190		300	460		2000	2100	1800	370	540	ND	8000
T4-18	18	5/8/2013	0.46	J	ND	ND	39	20		45		81	130		650	620	530	110	160	ND	2400
T5-5	1, 2, 3, 4, 5	5/8/2013	0.57	J	ND	ND	27	18	J	39		74	120		400	330	340	74	120	ND	1500
T5-10	6, 7, 8, 9, 10	5/8/2013	0.55	J	ND	ND	87	28	J	42	J	50	73		260	250	330	86	170	ND	1400
T5-15	11, 12, 13, 14, 15	5/8/2013	0.46	J	ND	ND	27	23		35		55	120		440	380	360	75	120	ND	1600
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	0.24	J	ND	ND	3.1	2.7		6.3		15	34		170	150	130	22	25	ND	560

Notes:
Analysis by Luft and EPA Method 8015CC for purgeable aromatics and total petroleum hydrocarbons.
ND = Analyte not detected at or above the reporting limit.
J = Estimated value (CLP Flag).
All TPH concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 2
Summary of Volatile Organic Compounds in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	1,2,4-Trimethyl-benzene		Benzene		Ethylbenzene		Toluene		Total Xylenes		Naphthalene	Tetrachloro-ethylene (PCE)	Trichloro-ethylene (TCE)
Regional Screening Level - Ind. Soil (mg/kg)			**260**		**540**		**27**		**45000**		**2700**		**18**	**110**	**6.4**
T1-5	1, 2, 3, 4, 5	5/8/2013	0.045		0.0067		0.027		0.0019	J	0.013		0.057	ND	ND
T1-10	6, 7, 8, 9, 10	5/8/2013	0.013		0.0025	J	0.0059		ND		0.0045	J	0.025	ND	ND
T1-15	11, 12, 13, 14, 15	5/8/2013	0.0041	J	0.0082		0.0033	J	0.0014	J	ND		0.020	ND	ND
T1-20	16, 17, 18, 19, 20	5/8/2013	ND		ND		ND		ND		ND		ND	ND	ND
T2-5	1, 2, 3, 4, 5	5/8/2013	ND		ND		ND		ND		ND		ND	ND	ND
T2-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0023	J	ND		ND		ND		ND	ND	ND
T2-15	11, 12, 13, 14, 15	5/8/2013	0.0042	J	0.0015	J	ND		ND		ND		0.017	ND	ND
T2-23	23	5/8/2013	ND		ND		ND		ND		ND		ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND		0.0017	J	ND		ND		ND		ND	ND	ND
T3-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0030	J	0.0024	J	ND		ND		0.023	ND	ND
T3-15	11, 12, 13, 14, 15	5/8/2013	ND		0.0015	J	0.0020	J	ND		ND		0.024	ND	ND
T3-20	16, 17, 18, 19, 20	5/8/2013	0.0023	J	0.0054		0.0062		ND		ND		0.019	ND	ND
T4-5	1, 2, 3, 4, 5	5/8/2013	ND		0.0019	J	ND		ND		ND		ND	ND	ND
T4-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0021	J	ND		ND		ND		0.014	ND	ND
T4-15	11, 12, 13, 14, 15	5/8/2013	ND		0.0075		0.0066		0.0019	J	0.011		0.018	ND	ND
T4-18	18	5/8/2013	ND		0.0022	J	0.0027	J	ND		ND		0.014	ND	ND
T5-5	1, 2, 3, 4, 5	5/8/2013	ND		0.0017	J	0.0072		ND		ND		0.032	ND	ND
T5-10	6, 7, 8, 9, 10	5/8/2013	ND		0.0026	J	ND		ND		ND		0.016	ND	ND
T5-15	11, 12, 13, 14, 15	5/8/2013	ND		0.0030	J	ND		0.0014	J	ND		0.014	ND	ND
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	0.0018	J	0.0033	J	ND		0.0014	J	ND		0.012	ND	ND

Notes:
EPA Method 8060B for volatile organic analysis (VOCs).
ND = Analyte not detected at or above the reporting limit.
J = Estimated value (CLP Flag).
All VOC concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 3
Summary of Polycyclic Aromatic Hydrocarbons in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Benzo(a) anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenz(a,h) anthracene
Regional Screening Level - Ind. Soil (mg/kg)			**2.1**	**0.21**	**2.1**	**21**	**210**	**0.21**
T1-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T1-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T1-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T1-20	16, 17, 18, 19, 20	5/8/2013	ND	ND	ND	ND	ND	ND
T2-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T2-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T2-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T2-23	23	5/8/2013	ND	ND	ND	ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T3-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T3-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T3-20	16, 17, 18, 19, 20	5/8/2013	ND	ND	ND	ND	ND	ND
T4-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T4-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T4-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T4-18	18	5/8/2013	ND	ND	ND	ND	ND	ND
T5-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T5-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T5-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	ND	ND	ND	ND	ND	ND

Notes:
EPA Method 8070C for base neutral acid extractables organic analysis.
ND = Analyte not detected at or above the reporting limit.
J= Estimated value (CLP Flag).
All PAH concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 4
Summary of Organo-Chlorine Pesticides and Total PCBs in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	4,4'-DDD	4,4´-DDE	4,4´-DDT	Dieldrin	Endrin	Total PCBs
Regional Screening Level - Ind. Soil (mg/kg)			**7.2**	**5.1**	**7**	**0.11**	**180**	**0.74**
T1-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	0.14	ND	ND	ND
T1-10	6, 7, 8, 9, 10	5/8/2013	0.27	0.19	0.077	ND	0.057	ND
T1-15	11, 12, 13, 14, 15	5/8/2013	0.12	0.18	0.030	ND	ND	ND
T1-20	16, 17, 18, 19, 20	5/8/2013	0.039	ND	0.012	ND	ND	ND
T2-5	1, 2, 3, 4, 5	5/8/2013	0.022	0.0063	0.040	ND	0.0084	0.47
T2-10	6, 7, 8, 9, 10	5/8/2013	0.013	ND	0.0052	ND	ND	ND
T2-15	11, 12, 13, 14, 15	5/8/2013	ND	ND	ND	ND	ND	ND
T2-23	23	5/8/2013	ND	ND	ND	ND	ND	ND
T3-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T3-10	6, 7, 8, 9, 10	5/8/2013	**14**	1.1	1.5	**4.5**	0.31	ND
T3-15	11, 12, 13, 14, 15	5/8/2013	**14**	ND	**7.8**	**3.2**	ND	ND
T3-20	16, 17, 18, 19, 20	5/8/2013	**28**	ND	4.9	**9.6**	0.59	ND
T4-5	1, 2, 3, 4, 5	5/8/2013	1.6	0.19	ND	**0.56**	ND	ND
T4-10	6, 7, 8, 9, 10	5/8/2013	ND	ND	ND	ND	ND	ND
T4-15	11, 12, 13, 14, 15	5/8/2013	0.15	ND	ND	ND	ND	ND
T4-18	18	5/8/2013	ND	ND	ND	ND	ND	ND
T5-5	1, 2, 3, 4, 5	5/8/2013	ND	ND	ND	ND	ND	ND
T5-10	6, 7, 8, 9, 10	5/8/2013	0.16	ND	ND	ND	ND	ND
T5-15	11, 12, 13, 14, 15	5/8/2013	0.12	ND	ND	ND	ND	ND
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	ND	ND	ND	ND	ND	ND

Notes:

Analysis by EPA Method 8080 for organochlorine pesticides and polychlorinated biphyenols (PCBs).

ND = Analyte not detected at or above the reporting limit.

All concentrations reported in mg/kg.

See BC Laboratories, Inc. report for practical quantitation limt (PQL).

Table 5
Summary of Metals in Soil
Former Gage Avenue Landfill
Commerce, California

Sample ID	Sample Depth (ft bgs)	Date Sampled	Arsenic	Barium	Cadmium		Chromium	Lead		Mercury		Selenium	Silver	
Regional Screening Level, Ind. Soil (mg/kg)			**1.6**	**190,000**	**800**		**-**	**800**		**43**		**5,100**	**5,100**	
T1-5	1, 2, 3, 4, 5	5/8/2013	**23**	340	8.8		170	550		1.2		5.9	2.6	
T1-10	6, 7, 8, 9, 10	5/8/2013	**9.4**	200	2.2		27	380		0.98		3.3	12	
T1-15	11, 12, 13, 14, 15	5/8/2013	**5.6**	180	1.3		25	200		0.50		3.1	0.85	
T1-20	16, 17, 18, 19, 20	5/8/2013	**6.0**	140	1.8		24	150		1.8		3.8	0.70	
T2-5	1, 2, 3, 4, 5	5/8/2013	**5.9**	150	0.75		26	79		0.18		3.1	0.12	J
T2-10	6, 7, 8, 9, 10	5/8/2013	**6.4**	180	4.8		35	150		0.29		3.4	0.27	J
T2-15	11, 12, 13, 14, 15	5/8/2013	**5.5**	160	0.54		25	100		0.17		3.0	0.067	J
T2-23	23	5/8/2013	**1.8**	43	ND		7.8	1.8	J	0.026	J	2.8	ND	
T3-5	1, 2, 3, 4, 5	5/8/2013	**10**	260	11		31	**920**		0.31		4.4	1.5	
T3-10	6, 7, 8, 9, 10	5/8/2013	**8.1**	160	1.5		31	440		1.0		2.9	1.5	
T3-15	11, 12, 13, 14, 15	5/8/2013	**5.5**	180	0.53		74	450		0.18		3.3	20	
T3-20	16, 17, 18, 19, 20	5/8/2013	**10**	190	20		28	380		0.26		3.5	7.2	
T4-5	1, 2, 3, 4, 5	5/8/2013	**10**	210	1.4		76	**800**		0.24		3.0	5.0	
T4-10	6, 7, 8, 9, 10	5/8/2013	**8.9**	240	1.7		79	380		0.75		3.6	1.6	
T4-15	11, 12, 13, 14, 15	5/8/2013	**5.4**	150	1.1		24	**1200**		0.77		2.8	2.8	
T4-18	18	5/8/2013	**4.3**	100	0.20	J	17	**1100**		0.072	J	4.1	0.45	J
T5-5	1, 2, 3, 4, 5	5/8/2013	**5.1**	180	1.3		72	**1400**		0.32		3.9	0.64	
T5-10	6, 7, 8, 9, 10	5/8/2013	**5.4**	150	0.81		23	**1000**		0.54		3.8	0.69	
T5-15	11, 12, 13, 14, 15	5/8/2013	**7.6**	160	1.7		27	410		0.23		4.0	2.9	
T5-21	16, 17, 18, 19, 20, 21	5/8/2013	**3.8**	100	0.41	J	16	100		0.12	J	4.1	0.33	J

Notes:
Analysis by EPA Method 6010B and 7471A for total concentrations.
ND = Analyte not detected at or above the reporting limit
J = Estimated value (CLP Flag).
All metals concentrations reported in mg/kg.
See BC Laboratories, Inc. report for practical quantitation limt (PQL)

APPENDIX A

2004 GEOTECHNICAL INVESTIGATION REPORT

GEOTECHNICAL INVESTIGATION

PROPOSED INDUSTRIAL DEVELOPMENT

7316 EAST GAGE AVENUE

CITY OF COMMERCE, CALIFORNIA

Presented herewith is the report of our Geotechnical Investigation conducted at the site of the proposed industrial development located at 7316 East Gage Avenue in the City of Commerce, California. The investigation was performed in order to provide recommendations for site preparation and to assist in building foundation design.

This report presents the results of our field investigation and laboratory testing along with conclusions and recommendations for foundation design and site preparation. This report completes our agreed upon scope of services as understood in our proposal dated August 25, 2004.

We appreciate the opportunity to provide service to you on this project. If you have any questions regarding this report, our the recommendations provided herein, please contact the undersigned

GEOTECHNICAL INVESTIGATION
PROPOSED INDUSTRIAL DEVELOPMENT
7316 EAST GAGE AVENUE
CITY OF COMMERCE, CALIFORNIA

October 18, 2004

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INTRODUCTION

This report presents the results of our Geotechnical Investigation performed in order to provide recommendations for remedial site grading and to assist in the design and construction of the foundations for the proposed industrial buildings and the associated site improvements. The project site is located at 7316 East Gage Avenue in the City of Los Angeles, California. The proposed project consists of one or more industrial buildings along with various related site improvements. The associated site improvements will include paved parking areas and driveways, various underground utilities, and landscape areas.

SCOPE OF WORK

The purpose of our investigation was to determine certain engineering characteristics of the near surface soils on the site in order to develop recommendations for foundation design and site preparation. Our investigation included field exploration, laboratory testing, engineering analysis and the preparation of this report. Evaluation of environmental issues or hazardous wastes was not within the scope of services provided. Our investigation was performed in accordance with contemporary geotechnical engineering principles and practice. We make no other warranty, either express or implied.

PROJECT DESCRIPTION

The project site is located at 7316 East Gage Avenue in the City of Commerce, California. The preliminary plans indicate that the proposed development will include one or more industrial buildings along with various associated site improvements. It is our assumption that the proposed buildings will be of relatively lightweight concrete tilt-up, steel-frame or reinforced masonry construction and will be supported by conventional shallow spread footings and concrete slabs on grade. The associated site improvements will include paved parking areas and driveways along with various underground utilities.

At the time of our investigation, the project site was vacant and the ground surface was either paved or covered with base material. The site is identified as the former Gage landfill in several previous reports provided for our review. A review of previous geotechnical reports confirms the existence of extensive buried debris and artificial fills consistent with the previous landfill use.

The current surface of the site is relatively level overall and the property is near the elevation of the adjacent properties and streets. The Santa Ana Freeway corridor forms the eastern edge of the property. There is an existing ballfield directly west of the site and a hotel just north of the subject site

It is our assumption that the proposed industrial buildings will be of relatively lightweight steel-frame, concrete tilt-up or reinforced masonry construction and will be supported by conventional shallow spread footings and concrete slabs on grade. Based upon our previous experience with similar structures, we assume that the column loads will be less than 80 kips and wall loading will be less than 5.0 kips per linear foot. If the actual design loads exceed these assumed loads, the recommendations included in this report should be reviewed with respect to the increased loading and the adequacy should be verified.

SOIL CONDITIONS

The site is underlain primarily by extensive amounts of buried debris and artificial fill material overlying native silty sands, sandy silts and fine to coarse-grained alluvial sands with gravel. Artificial fill depths of up to 30 feet below existing grade were encountered within the areas of our exploratory borings dependent upon location. The artificial fill soils were comprised primarily of various types of debris consistent with the previous landfill use. The artificial fill soils and debris appeared very loose and highly compressible within each of our borings. The underlying native soils also appeared somewhat loose within the upper 5 to 10 feet within several of our borings but appeared firm below a depth of 10 feet.

The deeper native soils consisted primarily of sandy silts, silty sands and fine to coarse-grained alluvial sands with gravel. In general, the deeper native soils appear quite firm and sampler penetration resistance (as measured by field blowcounts) suggests that density within the native soils generally increases with depth. The near surface artificial fill soils and the underlying native soils were found to be moist throughout the depth of our exploratory borings. Laboratory testing indicated moisture content varying from 2 to 30 percent.

Laboratory classification testing indicates that the near surface artificial fills and native soils consist primarily of silty sands and sandy silts. Expansion testing indicates that the near surface soils are moderately expansive and fall within the "low" expansion category in accordance with the Uniform Building Code (UBC) classification system. Consolidation testing indicates that the deeper native soils are susceptible to only minor consolidation or compression related settlements as a result of the increased loading associated with engineered fills as well as the new building foundations.

Groundwater was not encountered within our exploratory borings that extended to a maximum depth of approximately 80 feet below the existing ground surface. Groundwater should not be a factor in foundation design or construction.

CONCLUSIONS AND RECOMMENDATIONS

Based upon our field and laboratory investigation, it is our opinion that the proposed industrial development is feasible from a soil mechanic's standpoint provided that the recommendations included in this report are considered in building foundation design and site preparation. Due to the presence of extensive amounts of artificial fill soils and debris throughout the site, extensive remedial grading is recommended for the proposed building areas. We recommend that remedial grading within the proposed building areas include complete removal and recompaction of the artificial fill soils, debris and any loose native soils encountered in order to provide uniform compacted soils beneath the building foundations. Specific recommendations for site preparation are presented in the Site Grading section of this report.

Groundwater was not encountered within our borings that extended to a maximum depth of 51 feet below the existing ground surface. Due to the depth to groundwater, specific liquefaction analyses were not performed. Based upon the depth to groundwater, the potential for liquefaction and the related surficial affects of liquefaction impacting the site are considered negligible.

The site is located within a seismically active area of Southern California and strong ground shaking resulting from seismic events on prominent faults in the region will likely impact the site during the expected lifetime of the project. As a minimum, the building addition should be designed in accordance with Uniform Building Code criteria for Seismic Zone 4. Pertinent seismic design criteria as described in the 1997 UBC are summarized in Appendix C.

Caving did occur within each of our borings and the site soils may be susceptible to caving within deeper excavations. All excavations should be constructed in accordance with the normal CalOSHA excavation criteria.

The surface soils encountered during our investigation were found to be moderately expansive. Laboratory testing indicated Expansion Indices of 21 and 32 for the near surface soils which correspond with the "low" expansion category in accordance with 1997 UBC Table 18-I-B.

The following recommendations present more detailed design criteria that have been developed on the basis of our field investigation and laboratory testing.

Foundation Design: The results of our investigation indicate that either conventional shallow continuous footings or isolated pad footings, that are supported upon properly compacted fill soils, may be expected to provide satisfactory support for the proposed new structure foundations. Proper demolition along with complete artificial fill removal and recompaction should be performed as recommended in the Site Preparation section of this report.

Exterior footings should extend at least 18 inches beneath lowest adjacent grade and interior footings should extend at least 12 inches below slab subgrade. Isolated square or rectangular footings at least 2 feet square and continuous footings at least 12 inches wide may be designed using an allowable bearing pressure of 2000 pounds per square foot. The allowable bearing pressure may be increased by approximately 250 psf for each additional 1 foot of width and 250 psf for each additional 6 inches of depth. The maximum allowable bearing pressure should be limited to 3000 psf unless confirmed subsequent to performing specific settlement calculations. The allowable bearing pressures are for dead and frequently applied live loads and may be increased by 1/3 to resist wind, seismic or other transient loading.

The recommendations made in the preceding paragraph are based on the assumption that all footings will be supported upon properly compacted fill soils. All demolition and foundation area preparation should be performed under the testing and inspection of the Soils Engineer or his representative. Prior to the placement of concrete, we recommend that the footing excavations be inspected in order to verify that they extend into compacted soil and are free of loose and disturbed materials.

Because the site soils may be susceptible to settlement due to the introduction of excessive amounts of water, care should be taken to see that bearing soils are not allowed to become saturated from the introduction of storm water runoff or irrigation. Drainage from the building areas should be rapid and complete.

Settlements: Settlements may result from the anticipated foundation loads. These estimated ultimate settlements are calculated to be a maximum of 1 inch when using the recommended bearing values. As a practical matter, differential settlements between footings can be assumed as one-half of the total settlement.

Lateral Design: Resistance to lateral loads can be provided by a combination of friction acting at the base of the slabs or foundations and passive earth pressure along the sides of the foundations. A coefficient of friction of 0.40 between soil and concrete may be used for dead load forces only. A passive earth pressure of 275 pounds per square foot, per foot of depth, may be used for the sides of footings that are poured against properly compacted native soils. Passive earth pressure should be ignored within the upper 1 foot except where confined (such as beneath a floor slab or pavement).

Retaining Walls: Cantilever retaining walls may be designed utilizing "active" soil pressures. The "active" pressures may be estimated utilizing an equivalent fluid weight of 35 pounds per cubic foot (pcf) for drained level native backfill soils. For restrained walls "at rest" pressures should be utilized in design. The equivalent fluid weight should be increased to 55 pcf for restrained walls with level free-draining native backfill soils. The lateral pressures provided above should be applicable for use in temporary shoring system design.

Expansive Soils: Due to the prominence of "low" expansion category soils near the surface, expansive soil design criteria should not be a factor in the design of foundations and concrete slabs-on-grade. Final slab design should be based upon post grading expansion test results in accordance with design criteria outlined within applicable portions of the Uniform Building Code and should be determined by the Structural Engineer.

Concrete Slabs-on-Grade: All surfaces to receive concrete slabs-on-grade should be underlain by compacted fill soils as described in the Site Preparation section of this report. Where slabs are to receive moisture sensitive floor coverings or where dampness of the floor slab is not desired, we recommend the use of an appropriate vapor barrier or an adequate capillary break. Vapor barriers should be protected by sand in order to reduce the possibility of puncture and to aid in obtaining uniform concrete curing. If preferred, a capillary break consisting of a minimum 4 inch thick layer of crushed rock may be utilized.

Reinforcement of slabs-on-grade in order to resist expansive soil pressures may be necessary dependent upon post grading expansion test results and the quality of the possible import soils. Reinforcement will also have a beneficial affect in containing cracking due to concrete shrinkage. Temperature and shrinkage related cracking should be anticipated in all concrete slabs-on-grade. Floor slab reinforcement and the spacing of control joints, should be determined by the Structural Engineer.

Soluble Sulfates: The soluble sulfate concentrations of the surface soils were determined to be 82, 897, and 66 parts per million (ppm). The sulfate content determined suggests that the site soils are generally considered non-corrosive with respect to concrete. The use of Type 5 cement and/or special sulfate resistant concrete mix designs should not be necessary.

Tentative Pavement Design: Although R-Value of the surface soils was not specifically determined, based upon the generally sandy nature of the surface soils encountered throughout the site, we expect that the R-Value will be in excess of 50. The following preliminary pavement sections are based upon a design R-Value of 50.

Parking areas and areas limited to auto and light truck traffic (Traffic Index = 5.0)
Use 3.0 inches of asphalt on 4.0 inches of Class 2 base material

Drive lanes and areas of intermittent truck traffic (Traffic Index = 6.5)
Use 4.0 inches of asphalt on 6.0 inches of Class 2 base material

The recommended pavement sections should be provided with a uniformly compacted subgrade and precise control of thickness and elevations during placement. Drainage from paved areas should be rapid and complete.

If concrete pavement is preferred, a standard section of 6 inches of Portland Cement Concrete (PCC) on 4 inches of aggregate base material should be adequate for most traffic conditions. The section should be increased to 8 inches of PCC on aggregate base material in areas where regular heavy truck traffic is expected.

Pavement and slab designs should be confirmed at the completion of site grading when the subgrade soils are in-place. This should include sampling and R-Value testing of the actual subgrade soils and an analysis based upon the anticipated traffic loading.

Shrinkage and Subsidence: Volumetric shrinkage of the material that is excavated and replaced as controlled compacted fill should be anticipated. We estimate that this shrinkage may vary from 10 to 15 percent within the near surface native soils. Subsidence of the surfaces that are scarified and compacted is expected to vary from one-tenth to two tenths of a foot. This will vary depending upon the type of equipment used, the moisture content of the soil at the time of grading and the actual degree of compaction attained. These values for shrinkage and subsidence are exclusive of losses that will occur due to the removal of unsuitable materials and other subsurface obstructions.

General Site Preparation: All grading should be performed in accordance with the grading ordinance of the City of Los Angeles, California. The following recommendations have been developed on the basis of our field and laboratory testing:

1. **Clearing and Demolition:** Proper demolition of any existing structure components, slabs, footings, pavements and underground utilities will be very important. Soils that are disturbed due to the removal of the previous improvements or structure foundations should be removed and replaced as controlled compacted fill under the direction of the Soils Engineer. Debris an dother unsuitable material should be removed from the site.

2. **Preparation of Building and Foundation Areas:** All artificial fill soils and debris should be removed from the site. Removals should extend to competent native soils or a minimum depth of 3 feet below the bottom of the footings, whichever is deeper. The exposed surface should be scarified, moisture conditioned and recompacted to at least 90 percent relative compaction. Once unsuitable materials are removed, the excavated soils may be replaced as controlled compacted fill. Removals should be observed and compaction should be verified by testing.

   Removals should extend to the property lines, shoring may be required to accomplish the recommended artificial fill and debris removal in areas where fill depths exceed 10 feet.

3. **Preparation of Exterior Slab and Pavement Areas:** Disturbed native soil or unsuitable fill material should be removed from pavement areas and replaced as compacted fill material. The underlying native soils should be scarified, brought to near optimum moisture content, and compacted to a minimum of 90 percent relative compaction prior to replacing the fill material. As a minimum, slabs and pavements should be supported by a minimum of 12 inches of compacted soil.

4. **Placement of Compacted Fill:** Fill materials consisting of on-site soils or approved imported granular soils, should be spread in thin lifts, and compacted at near optimum moisture content to a minimum of 90 percent relative compaction.

   Imported material should have an Expansion Index not exceeding 20. The contractor shall notify the Soils Engineer at least 48 hours in advance of importing soils in order to provide sufficient time for the evaluation of the proposed import materials. The contractor shall be responsible for delivering material to the site that complies with the project specifications. Approval by the Soils Engineer will be based upon material delivered to the site and not the preliminary evaluation of import sources.

   Our observations of the material encountered during our investigation indicate that compaction will be most readily obtained by means of heavy rubber-wheeled equipment and/or sheepsfoot compactors. At the time of our investigation, the moisture content of the site soils was found to be very inconsistent. A more uniform and near optimum moisture content should be maintained during fill placement and compaction.

5. **Testing and Inspection:** During grading tests and observations should be performed by the Soils Engineer or his representative in order to verify that the grading is being performed in accordance with the project specifications and applicable ordinances. Field density testing shall be performed in accordance with acceptable ASTM methods.

   The minimum acceptable degree of compaction should be 90 percent of the maximum dry density as obtained by the ASTM D1557-91 test method. Where testing indicates insufficient density, additional compactive effort shall be applied until retesting indicates satisfactory compaction.

GENERAL

The findings and recommendations presented in this report are based upon an interpolation of the soil conditions between boring locations and extrapolation of these conditions throughout the proposed building addition area. Should conditions encountered during grading (or demolition) appear different than those indicated in this report, this office should be notified.

This report is considered to be applicable for use by [redacted] for the specific site and project described herein. The use of this report by other parties or for other projects is not authorized. The recommendations of this report are contingent upon monitoring of the grading operation by a representative of [redacted] All recommendations are considered to be tentative pending our review of the grading operations and additional testing, if indicated. If others are employed to perform any soil testing, this office should be notified prior to such testing in order to coordinate any required site visits by our representative and to assure indemnification of Sladden Engineering.

Our investigation was conducted prior to the completion of plans for the project. We recommend that a pre-job conference be held on the site prior to the initiation of site grading. The purpose of this meeting will be to assure a complete understanding of the recommendations presented in this report as they apply to the actual grading performed.

APPENDIX A

Site Plan
Boring Logs

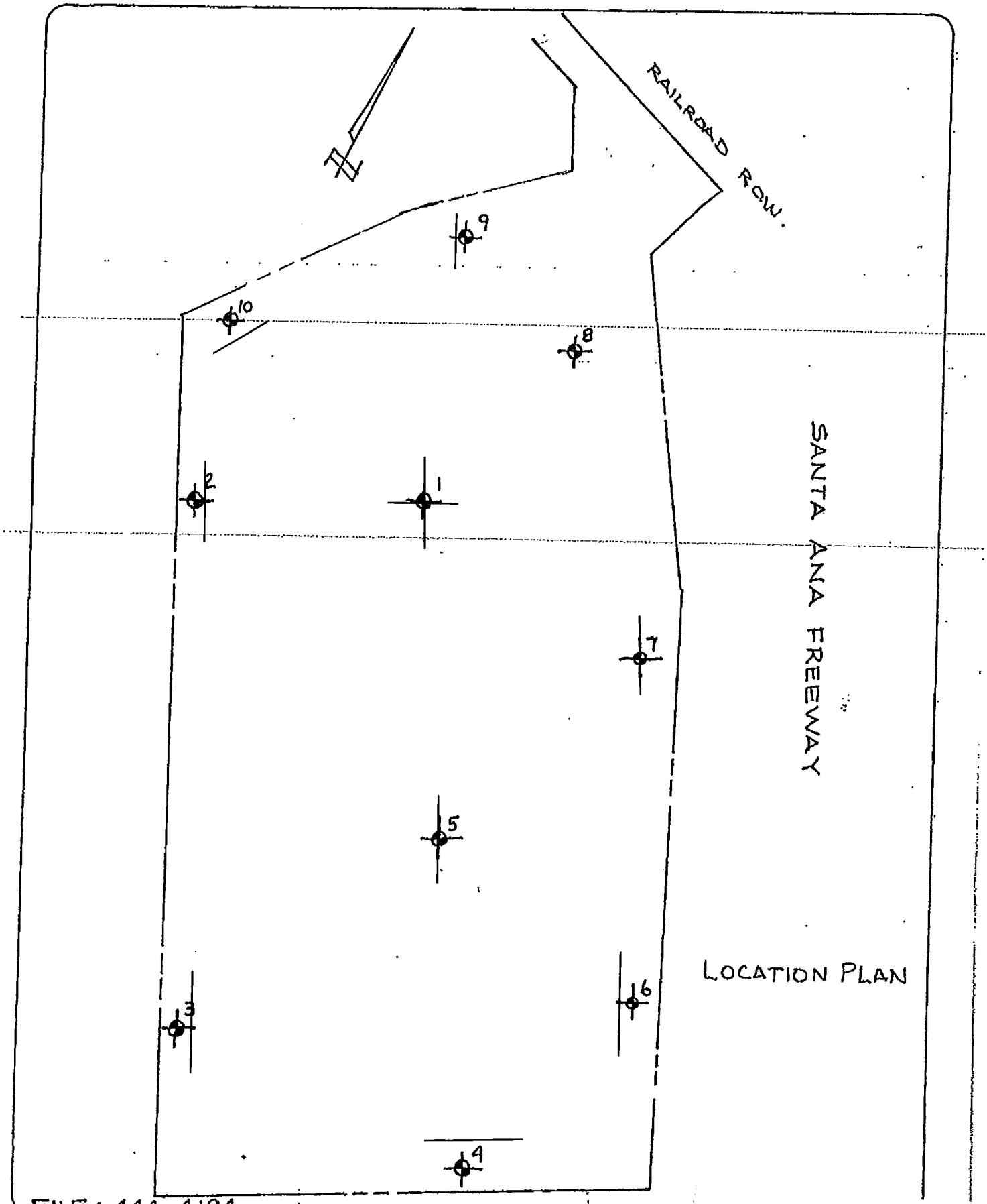
APPENDIX A

FIELD EXPLORATION

For the initial phase of our field investigation 10 exploratory borings were excavated on September 22, 2004 using a truck mounted Mobile B-61 drilling rig and hollow-stem augers. The approximate exploratory boring locations are indicated on the site plan included in this appendix. Boring logs are included in this appendix. Additional borings to further evaluate artificial fill depths are currently underway.

Representative undisturbed samples were obtained within our borings by driving a thin-walled steel penetration sampler (California split spoon sampler) or a Standard Penetration Test (SPT) sampler with a 140-pound hammer dropping approximately 30 inches (ASTM D1586). The number of blows required to drive the samplers 18 inches was recorded in 6-inch increments and blowcounts are indicated on the boring logs.

The California samplers are 3.0 inches in diameter, carrying brass sample rings having inner diameters of 2.5 inches. The standard penetration samplers are 2.0 inches in diameter with an inner diameter of 1.5 inches. Undisturbed samples were removed from the sampler and placed in moisture sealed containers in order to preserve the natural soil moisture content. Bulk samples were obtained from the excavation spoils and samples were then transported to our laboratory for further observations and testing.



LOCATION PLAN

FILE: 444-4194

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No.** 1 **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sands & Sandy Silts with Debris: Brown	---	---	---	---	Artificial Fill 29'
25			21/7/15	Sandy Silt with Gravel & Debris: Dark Grey	ML		11		
28			26/30/28	Silty Sand with Traces of Clay & Concrete: Dark Grey	SM		12		
35			8/13/19	Silty Sand: Dark Grey	SM		13		Native Soils Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.
40			14/15/15	Sandy Silt: Grey	ML		22		
45			7/12/20	Sandy Silt: Light Brown	ML		22		Total Depth = 80.5' No Bedrock No Groundwater
50			50-4"	Silty Sand: Light Grey	SM		4		

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 1 Continued | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
50			50-4"	Silty Sand; Light Grey	SM		4		Native Soils
55			41/50-3"	Silty Sand: Light Grey	SM		3		
60			20/50-5"	Silty Sand with 4" Silt Layer: Grey	SM		13		
65			20/29/32	Silty Fine Sand: Grey	SM		6		
70			36/28/37	Sand with Gravel: Grey	SM		3		
75			19/36/40	Sandy Silt: Brown	ML		11		
80			14/17/24	Sandy Silt; Brown	ML		13		
85									Total Depth = 80.5' No Bedrock No Groundwater Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.
90									
95									
100									

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 Boring No. 2 Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand: Brown	SM	---	---	---	Artificial Fill 19'
5			---	Silty Sand with Debris (Wood, Rubber Tires, Wood)	SM	---	---	---	
10									
15									
20			15/20/28	Silty Sand: Grey	SM	111	9	18	Native Soils
25			19/29/28	Silty Sand: Grey	SM	105	6	7	
30			20/50-4"	Silty Sand with Gravel: Grey	SM	121	5	8	
35									Total Depth = 30.5' No Bedrock No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 3 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand: Brown	SM	---	---	---	Artificial Fill 21'
5			---	Silty Sand with Debris (Wood, Rubber Tires, Wood)	SM	---	---	---	
10									
15									
20									
22			13/18/28	Silty Sand: Grey	SM	90	5	11	Native Soils
25			20/20/17	Silty Sand: Grey	SM	87	9	11	
30			22/27/30	Coarse Sand: Grey	SM	110	3	9	
35									Total Depth = 30.5' No Bedrock No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No. 4** **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand with Debris: Brown	SM	---	---	---	Artificial Fill 17'
5									
10									
15									
							▽		Native Soils
20			7/12/17	Sandy Silt: Grey	ML	93	30	77	
25			11/14/19	Sandy Silt: Grey	ML	96	27	80	
30			18/27/30	Sand: Light Grey	SM	99	2	8	
35									Total Depth = 30.5' No Bedrock No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

[redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 5 | Job Number: 444-4194

Depth, ft.	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt with Traces of Clay & Debris; Dark Brown	ML	---	---	---	Asphalt 7" Misc. Base 7" Artificial Fill 18'
10		X	11/16/19	Sandy Silt with Debris; Dark Brown	ML	---	---	---	No Sample Recovered
20		■	10/12/15	Sand; Light Grey	SM	92	5	10	Native Soils
25		■	17/20/20	Sand; Light Grey	SM	98	4	11	
									Total Depth = 25.5' No Bedrock No Groundwater

Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.

■ Recovered Sample

X Unrecovered Sample

■ Standard Penetration Sample

7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No. 6** **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt: Reddish Brown	ML	---	---	---	Asphalt 4.5"
									Artificial Fill 17'
			---	Silty Sand with Gravel & Debris: Brown	SM	---	---	---	
5									
10									
15									
									Native Soils
20									
25			30/50-4"	Sand with Thin Silt Lense: Grey	SM	99	4	9	
30			29/40/48	Sand with Thin Silt Lense: Grey	SM	102	3	10	
									Total Depth = 30.5'
35									No Bedrock
									No Groundwater
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
				Standard Penetration Sample					
50									

Dynamic Builders
7316 E. Gage Ave., Commerce

Date: 9/22/2004 **Boring No. 8** **Job Number:** 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Silty Sand with Debris: Brown	SM	---	---	---	Asphalt 3.5" Misc. Base 4" Artificial Fill 10'
5									
11			3/6/6	Sandy Silt: Grey Brown	ML		18		Native Soils
15			10/10/11	Sand: Light Grey	SM	95	3	8	
20			8/12/18	Sand: Light Grey	SM	93	3	9	
25			23/50-5"	Sandy Silt: Grey Brown	ML	107	10	75	
									Total Depth = 25.5' No Bedrock No Groundwater
30									
35									
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45									
50									

Recovered Sample

Unrecovered Sample

Standard Penetration Sample

Dynamic [redacted]

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 9 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt with Traces of Clay: Reddish Brown	ML	---	---	---	Asphalt 2.5"
									Misc. Base 5"
									Artificial Fill 1'
5			31/50-3"	Sandy Silt with Traces of Clay: Reddish Brown	ML	111	14	54	
10			15/25/30	Sand with Gravel: Light Brown	SM	102	3	9	
15			31/50-5"	Sand with Gravel: Light Brown	SM	112	3	8	
20			15/29/45	Sand with Gravel: Light Brown	SM	110	3	9	
									Total Depth = 20.5'
									No Bedrock
									No Groundwater
25									
30									
35									
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
				Standard Penetration Sample					
50									

Dynamic Builders

7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 10 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt: Brown	ML	---	---	---	Asphalt 3" Misc. Base 4.5" Artificial Fill 2'
3			31/50-5"	Sandy Silt: Brown	ML				
10			14/15/23	Silty Sand: Brown	SM	110	10	36	
15			12/16/19	Sand: Brown	SM	112	9	14	Total Depth = 15.5' No Bedrock No Groundwater
20									
25									
30									
35									
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45				Recovered Sample					
				Unrecovered Sample					
50				Standard Penetration Sample					

Dynamic Builders
7316 E. Gage Ave., Commerce

Date: 9/22/2004 | Boring No. 6 | Job Number: 444-4194

Depth, ft	Symbol	Core	Blows/6"	Description	Soil type	Unit Wt, pcf	Moisture, %	% Minus #200	Remarks
0			---	Sandy Silt with Traces of Clay: Reddish Brown	ML	---	---	---	Asphalt 2.5" Artificial Fill 18'
3		X	---	Silty Sand with Gravel & Debris: Brown	SM	---	---	---	
5									
8		X	3/5/5	Silty Sand with Concrete & Debris: Light Grey	SM	---	---	---	No Sample Recovered
10									
15									
18		■	14/19/34	Sand: Light Grey	SM	101	7	9	Native Soils
20									
25		■	13/14/21	Sandy Silt: Grey	ML	100	22	83	
30		■	10/11/12	Sandy Silt with Silt Stone Lense: Grey	ML	102	3	10	
									Total Depth = 30.5' No Bedrock No Groundwater
35									
40				Note: The stratification lines represent the approximate boundaries between the soil types; the transition may be gradual.					
45		■		Recovered Sample					
		X		Unrecovered Sample					
50		■		Standard Penetration Sample					

Gradation

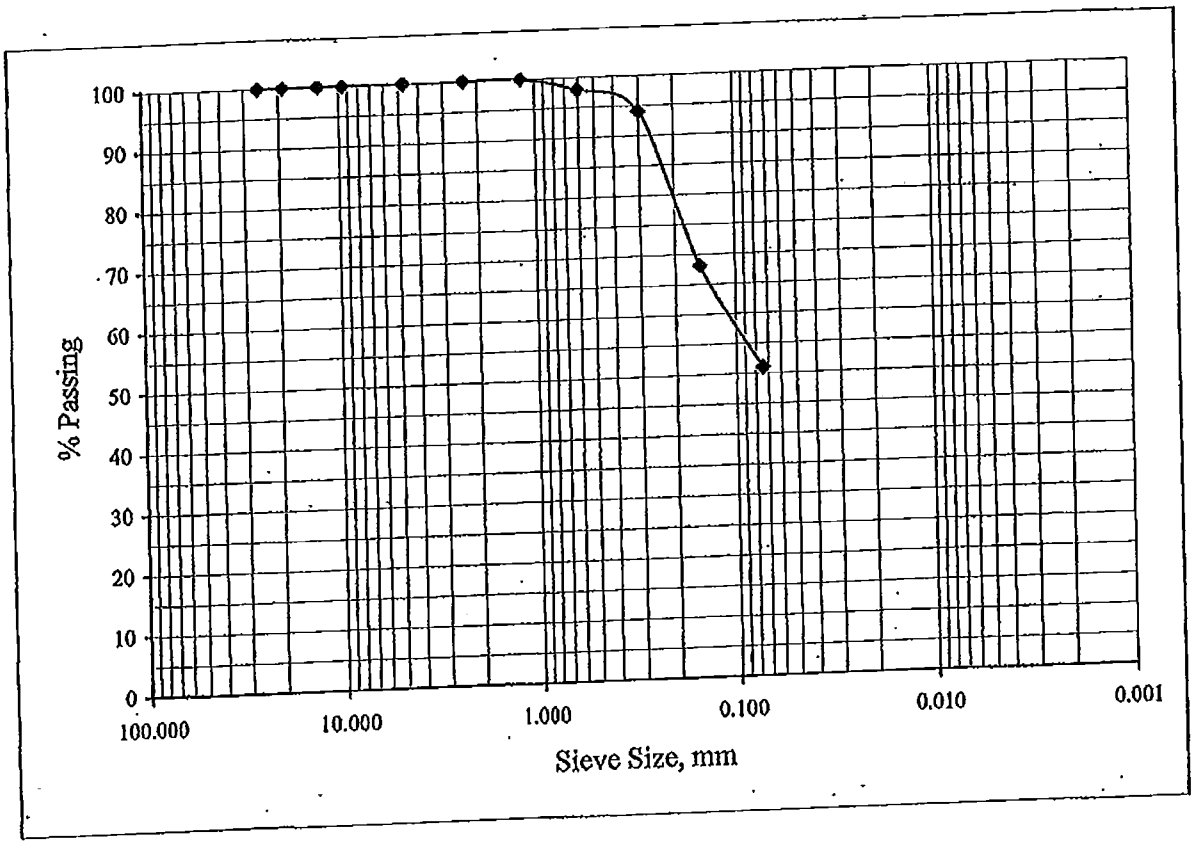
ASTM C117 & C136

October 11, 2004

Project Number: 444-4194
Project Name: 7316 E. Gage Ave., Commerce

Sample ID: Bulk 6 @ 0-5'

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	100.0
#16	1.18	100.0
#30	0.60	98.0
#50	0.30	94.0
#100	0.15	68.0
#200	0.074	51.0



Gradation

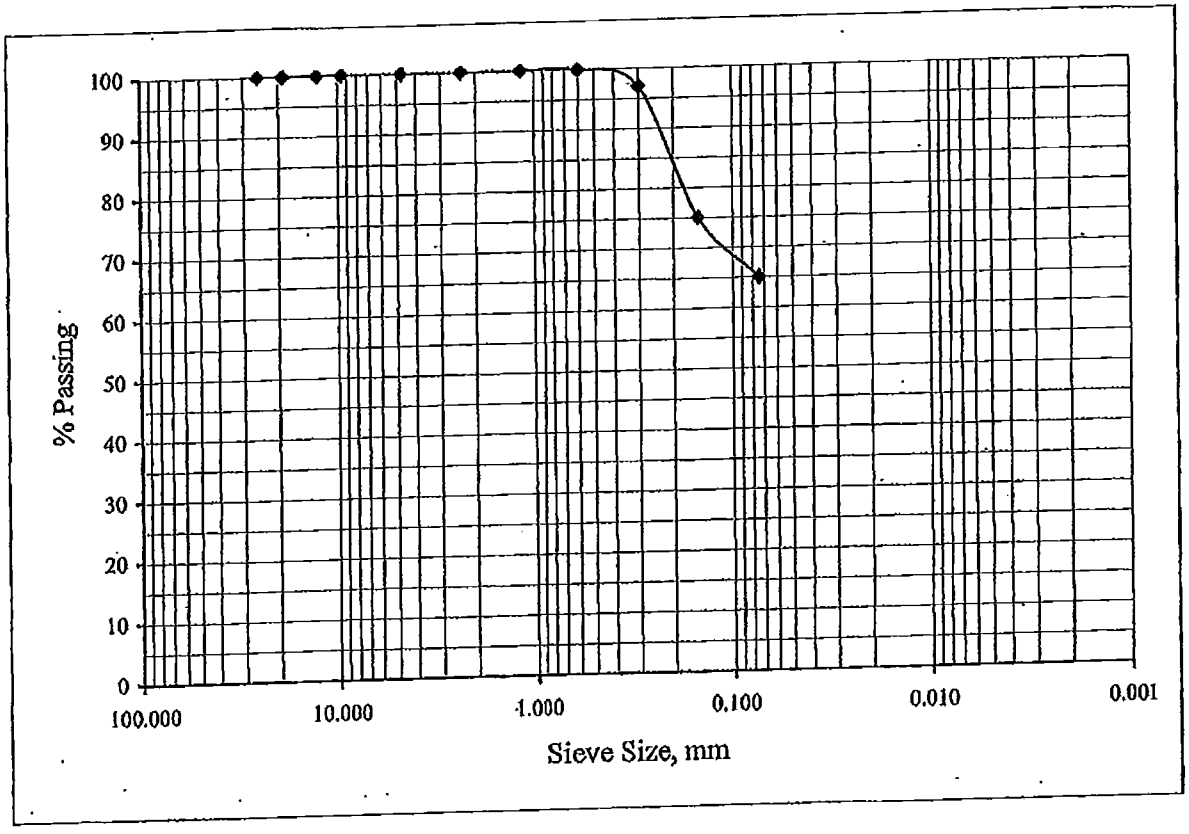
ASTM C117 & C136

October 11, 2004

Project Number: 444-4194
Project Name: 7316 E. Gage Ave., Commerce

Sample ID: Bulk 10 @ 25 - 30'

Sieve Size, in	Sieve Size, mm	Percent Passing
1"	25.4	100.0
3/4"	19.1	100.0
1/2"	12.7	100.0
3/8"	9.53	100.0
#4	4.75	100.0
#8	2.36	100.0
#16	1.18	100.0
#30	0.60	100.0
#50	0.30	97.0
#100	0.15	75.0
#200	0.074	65.0



One Dimensional Consolidation

ASTM D2435 & D5333

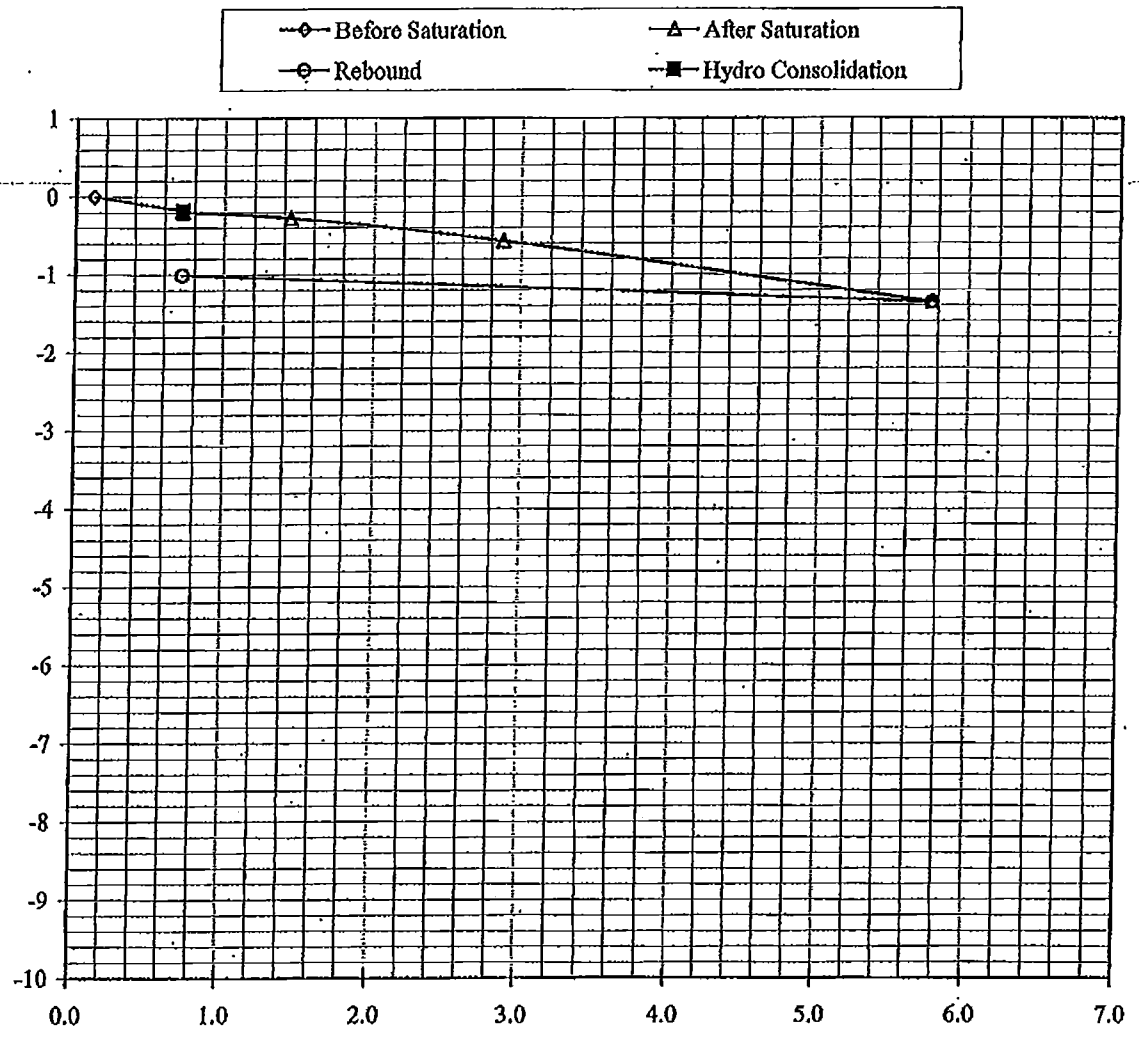
Job Number: 444-4194

October 11, 2004

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 9 @ 5'
Soil Description: Sandy Silt

Initial Dry Density, pcf:	109.3
Initial Moisture, %:	14
Initial Void Ratio:	0.525
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



One Dimensional Consolidation

ASTM D2435 & D5333

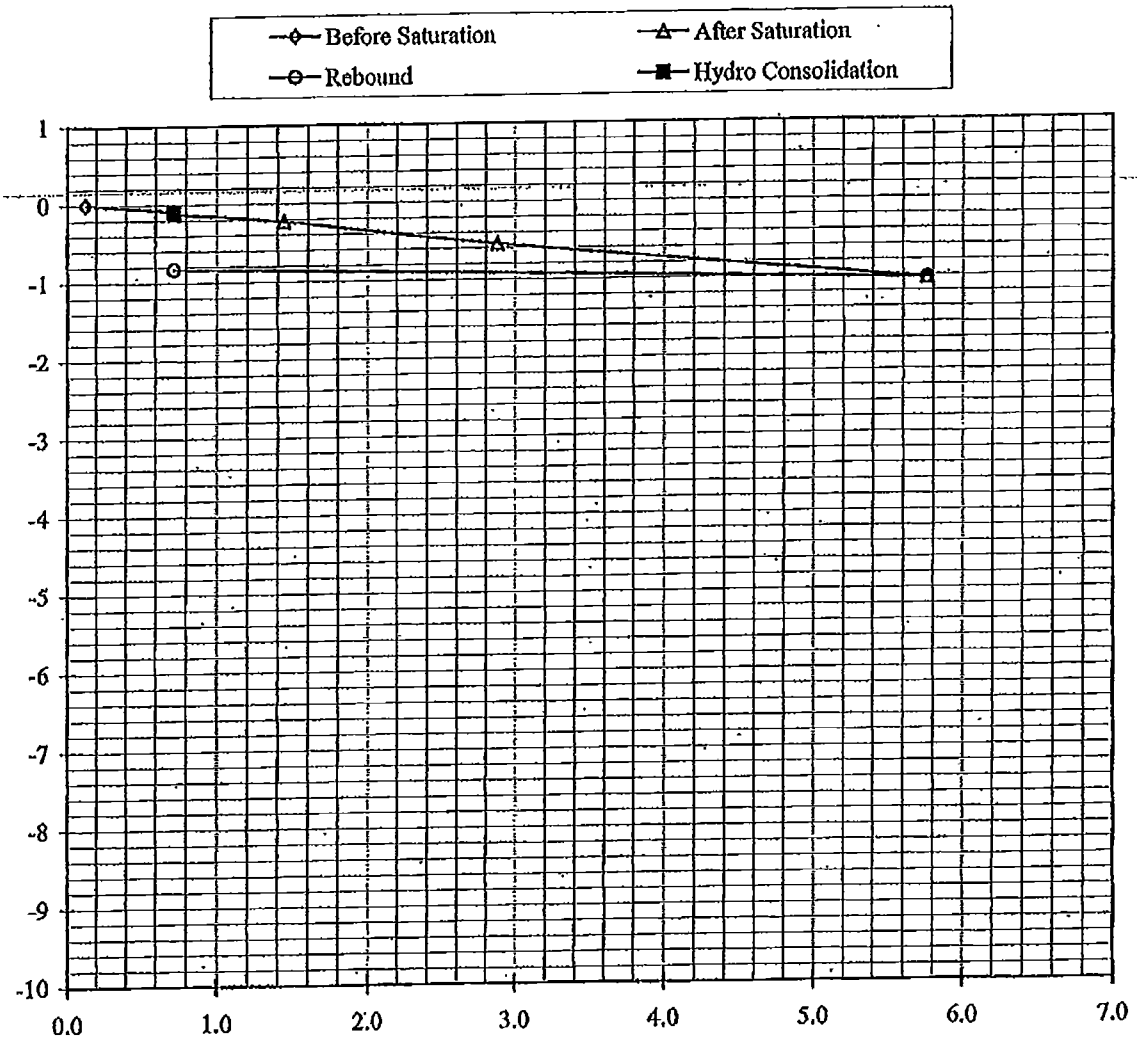
Job Number: 444-4194

October 11, 2004

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 9 @ 10'
Soil Description: Sand

Initial Dry Density, pcf:	95.7
Initial Moisture, %:	3
Initial Void Ratio:	0.743
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



One Dimensional Consolidation

ASTM D2435 & D5333

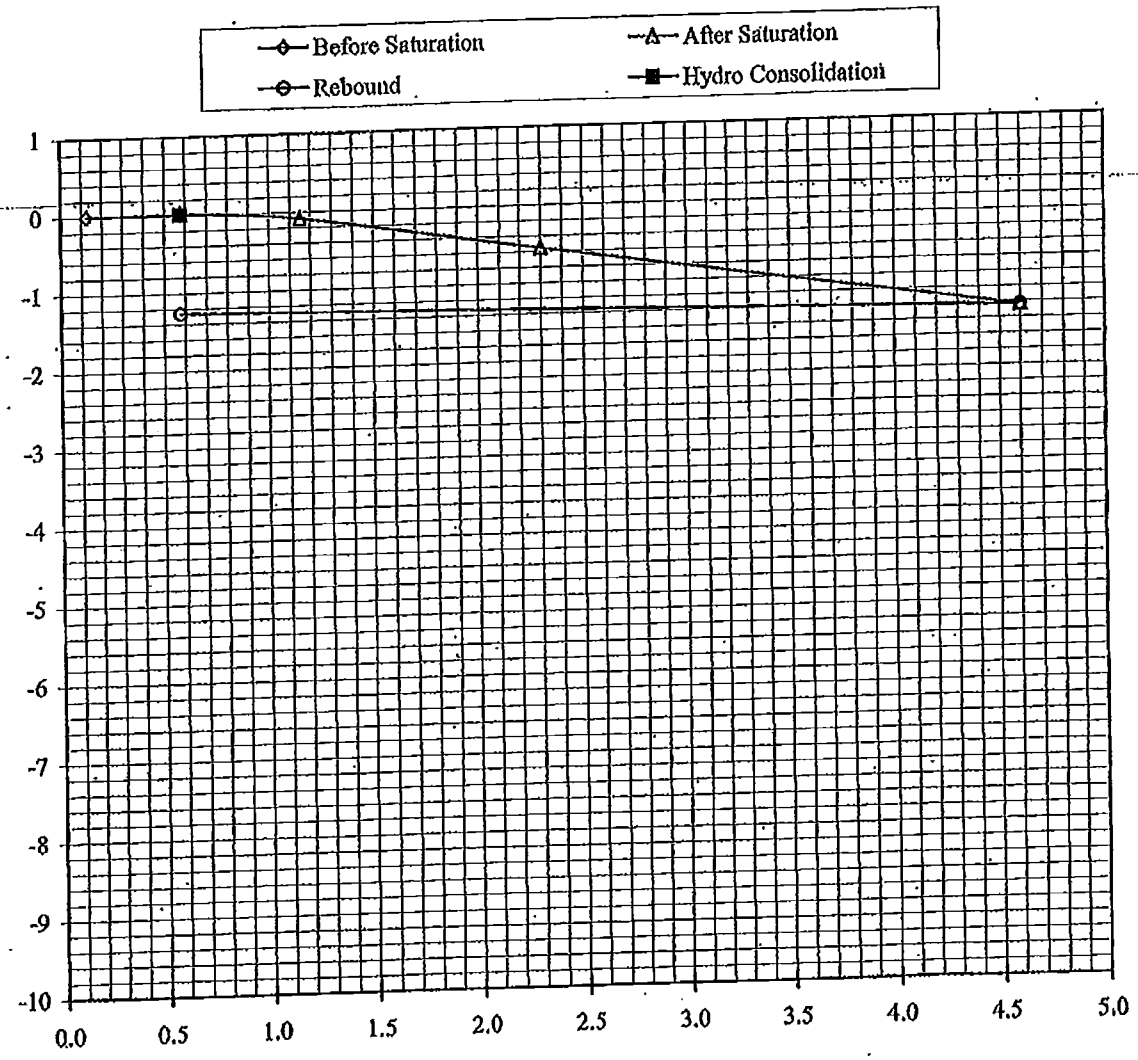
October 11, 2004

Job Number: 444-4194

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 10 @ 3'
Soil Description: Sandy Silt

Initial Dry Density, pcf:	126.7
Initial Moisture, %:	5
Initial Void Ratio:	0.316
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



One Dimensional Consolidation

ASTM D2435 & D5333

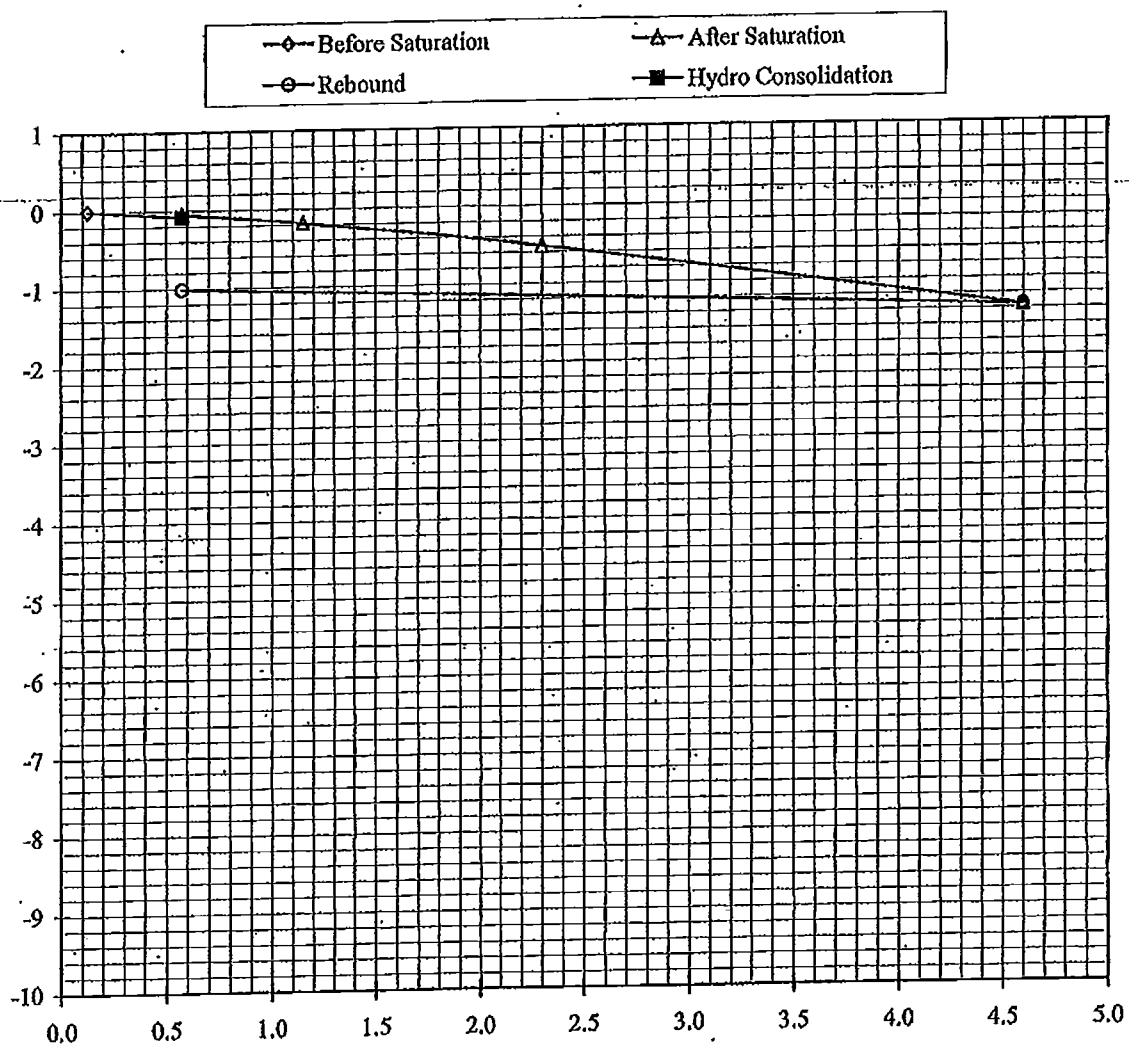
October 11, 2004

Job Number: 444-4194

Job Name: 7316 E. Gage Ave., Commerce
Sample ID: Boring 10 @ 10'
Soil Description: Sandy Silt

Initial Dry Density, pcf:	111.0
Initial Moisture, %:	7
Initial Void Ratio:	0.502
Specific Gravity:	2.67

% Change in Height vs Normal Presssure Diagram



Maximum Density/Optimum Moisture

ASTM D698/D1557

October 11, 2004

Project Number: 444-4194

Project Name: 7316 E. Gage Ave., Commerce

ASTM D-1557 A
Rammer Type: Manual

Lab ID Number:

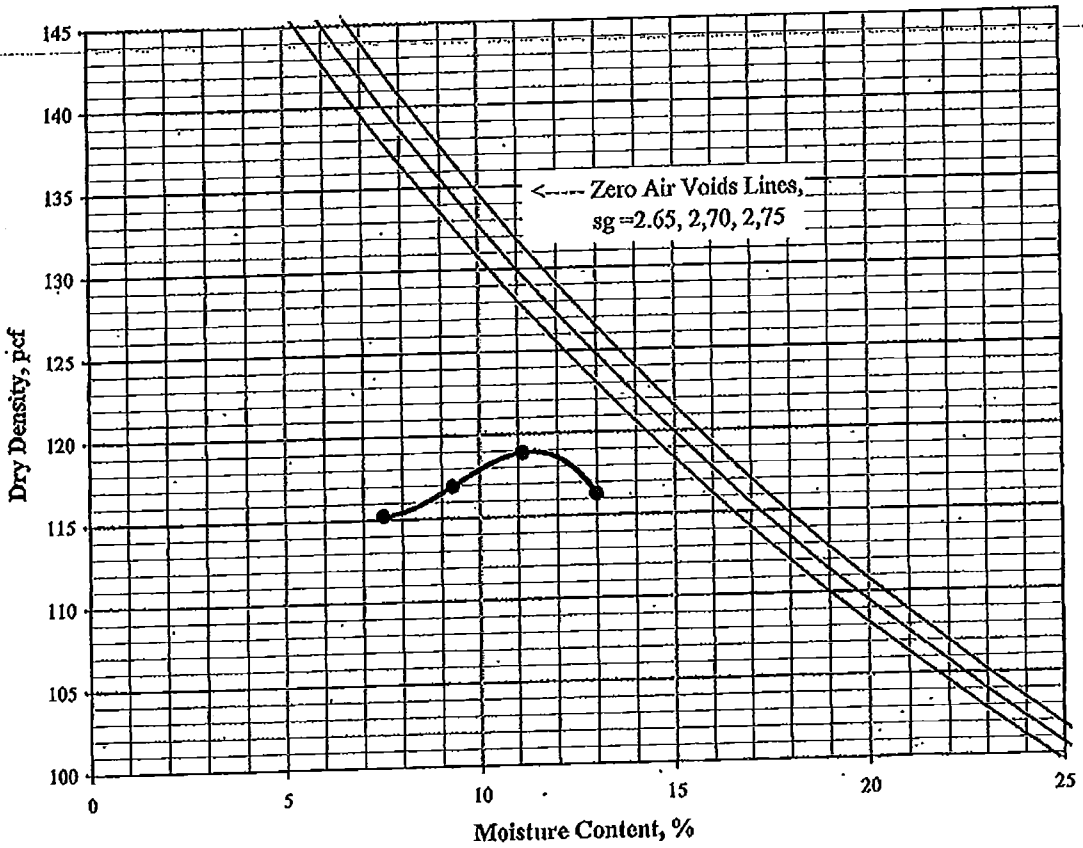
Sample Location: Bulk 6 @ 0-5'

Description: Sandy Silt

Maximum Density: 119 pcf

Optimum Moisture: 11%

Sieve Size	% Retained
3/4"	
3/8"	
#4	0.0



Maximum Density/Optimum Moisture

ASTM D698/D1557

Project Number: 444-4194

October 11, 2004

Project Name: 7316 E. Gage Ave., Commerce

ASTM D-1557 A
Rammer Type: Manual

Lab ID Number:

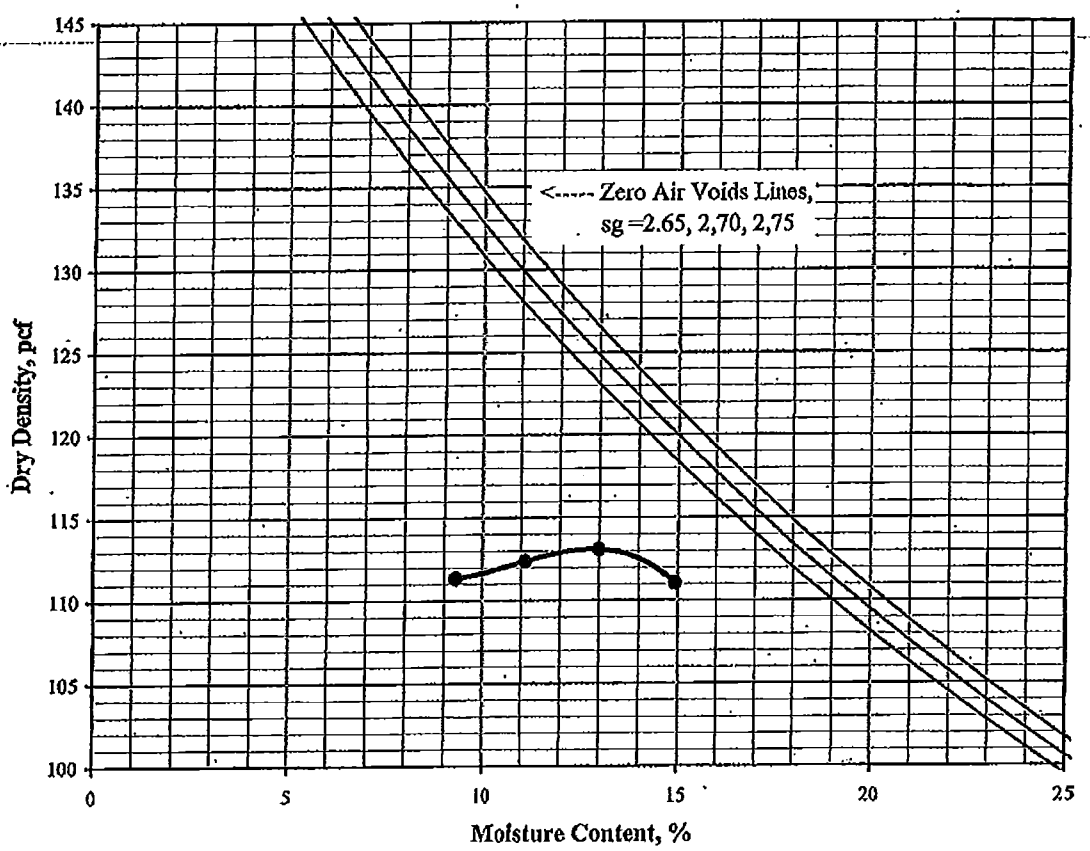
Sample Location: Bulk 10 @ 25 - 30'

Description: Sandy Silt

Maximum Density: 113 pcf

Optimum Moisture: 13%

Sieve Size	% Retained
3/4"	
3/8"	
#4	0.0



Expansion Index

ASTM D 4829/UBC 29-2

Job Number: 444-4194
Job Name: 7316 E. Gage Ave., Commerce
Lab ID:
Sample ID: Bulk 6 @ 0-5'
Soil Description: Sandy Silt

Date: 10/11/2004
Tech: Jake

Wt of Soil + Ring:	585.0
Weight of Ring:	179.0
Wt of Wet Soil:	406.0
Percent Moisture:	9%

Wet Density, pcf:	123.0
Dry Denstiy, pcf:	112.9

% Saturation:	49.3

Expansion	**Rack #**	
Date/Time	10/13/2004	9:00 AM
Initial Reading	0.500	
Final Reading	0.521	

Expansion Index 21

(Final - Initial) x 1000

Revised 12/10/02

EI

Expansion Index

ASTM D 4829/UBC 29-2

Job Number: 444-4194
Job Name: 7316 E. Gage Ave., Commerce
Lab ID:
Sample ID: Bulk 10 @ 25 - 30'
Soil Description: Sandy Silt

Date: 10/11/2004
Tech: Jake

Wt of Soil + Ring:	565.0
Weight of Ring:	179.0
Wt of Wet Soil:	386.0
Percent Moisture:	11%

Wet Density, pcf:	117.0
Dry Denstiy, pcf:	105.4

% Saturation:	49.6

Expansion **Rack #**

Date/Time	10/12/2004	10:00 AM
Initial Reading	0.500	
Final Reading	0.532	

Expansion Index **32**

(Final - Initial) x 1000

DATE: 10/05/04

P.O. No. Chain of Custody

Shipper No.

Lab. No. A-5856 1-3

Specification:

Material: SOIL

PROJECT: #444-4194

ANALYTICAL REPORT

CORROSION SERIES
SUMMARY OF DATA

	pH	SOLUBLE SULFATES per CA. 417 ppm	SOLUBLE CHLORIDES per CA. 422 ppm	MIN. RESISTIVITY per CA. 643 ohm-cm
#1 BULK 4 @ 25'-30'	7.4	82	104	2,789
#2 BULK 6 @ 0-4'	6.7	897	96	600 max
#3 BULK 10 @ 0-5'	7.0	66	37	2,759

FORM #2

1997 UNIFORM BUILDING CODE SEISMIC DESIGN INFORMATION

The International Conference of Building Officials (ICBO) 1997 Uniform Building Code contains substantial revisions and additions to the earthquake engineering section in Chapter 16. New concepts contained in the updated code that will likely be relevant to construction of the proposed structures are summarized below.

Ground shaking is expected to be the primary hazard most likely to affect the site, based upon proximity to significant faults capable of generating large earthquakes. Major fault zones considered to be most likely to create strong ground shaking at the site are listed below.

Fault Zone	Approximate Distance From Site	Fault Type (1997 UBC)
Newport/Inglewood	11 km	B
Hollywood/Raymond	9 km	B

Based on our field observations and understanding of local geologic conditions, the soil profile type judged applicable to this site is S_D, generally described as stiff or dense soil. The site is located within UBC Seismic Zone 4. The following table presents additional coefficients and factors relevant to seismic mitigation for new construction upon adoption of the 1997 code.

Seismic Source	Near-Source Acceleration Factor, N_a	Near-Source Velocity Factor, N_v	Seismic Coefficient C_a	Seismic Coefficient C_v
Newport/Inglewood	1.0	1.0	$0.44N_a$	$0.64N_v$
Hollywood/Raymond	1.0	1.0	$0.44N_a$	$0.64N_v$

```
**********************
*                    *
*    E Q F A U L T   *
*                    *
*    Version 3.00    *
*                    *
**********************
```

DETERMINISTIC ESTIMATION OF
PEAK ACCELERATION FROM DIGITIZED FAULTS

JOB NUMBER: 444-4194

DATE: 10-19-2004

JOB NAME: 7316 East Gage Avenue
City of Commerce, California

CALCULATION NAME: Test Run Analysis

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:
SITE LATITUDE: 33.9750
SITE LONGITUDE: 118.1265

SEARCH RADIUS: 100 mi

ATTENUATION RELATION: 5) Boore et al. (1997) Horiz. - SOIL (310)
UNCERTAINTY (M=Median, S=Sigma): M Number of Sigmas: 0.0
DISTANCE MEASURE: cd_2drp
SCOND: 0
Basement Depth: 5.00 km Campbell SSR: Campbell SHR:
COMPUTE PEAK HORIZONTAL ACCELERATION

FAULT-DATA FILE USED: CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km): 0.0

EQFAULT SUMMARY

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi	APPROXIMATE DISTANCE (km)	ESTIMATED MAX. EARTHQUAKE EVENT MAXIMUM EARTHQUAKE MAG. (MW)	PEAK SITE ACCEL. g	EST. SITE INTENSITY MOD.MERC.
ELYSIAN PARK THRUST	0.0	(0.0)	6.7	0.591	X
COMPTON THRUST	5.4	(8.7)	6.8	0.385	X
WHITTIER	6.3	(10.1)	6.8	0.291	IX
NEWPORT-INGLEWOOD (L.A.Basin)	9.3	(15.0)	6.9	0.238	IX
RAYMOND	10.6	(17.1)	6.5	0.214	VIII
VERDUGO	10.9	(17.6)	6.7	0.233	IX
HOLLYWOOD	11.6	(18.7)	6.4	0.190	VIII
SIERRA MADRE	14.3	(23.0)	7.0	0.225	IX
SAN JOSE	14.5	(23.3)	6.5	0.171	VIII
CLAMSHELL-SAWPIT	15.8	(25.4)	6.5	0.160	VIII
PALOS VERDES	16.9	(27.2)	7.1	0.172	VIII
SANTA MONICA	17.8	(28.6)	6.6	0.155	VIII
CHINO-CENTRAL AVE. (Elsinore)	18.3	(29.4)	6.7	0.160	VIII
SIERRA MADRE (San Fernando)	23.1	(37.1)	6.7	0.134	VIII
MALIBU COAST	23.6	(38.0)	6.7	0.132	VIII
NORTHRIDGE (E. Oak Ridge)	24.0	(38.6)	6.9	0.144	VIII
CUCAMONGA	25.0	(40.3)	7.0	0.147	VIII
SAN GABRIEL	25.3	(40.7)	7.0	0.120	VII
NEWPORT-INGLEWOOD (Offshore)	29.2	(47.0)	6.9	0.102	VII
ELSINORE-GLEN IVY	29.3	(47.1)	6.8	0.097	VII
SANTA SUSANA	32.1	(51.6)	6.6	0.099	VII
ANACAPA-DUME	32.6	(52.4)	7.3	0.141	VIII
SAN ANDREAS - 1857 Rupture	36.2	(58.2)	7.8	0.139	VIII
SAN ANDREAS - Mojave	36.2	(58.2)	7.1	0.096	VII
HOLSER	37.3	(60.0)	6.5	0.093	VII
SAN JACINTO-SAN BERNARDINO	40.1	(64.5)	6.7	0.072	VI
SAN ANDREAS - San Bernardino	41.3	(66.4)	7.3	0.097	VII
SAN ANDREAS - Southern	41.3	(66.4)	7.4	0.102	VII
OAK RIDGE (Onshore)	42.9	(69.1)	6.9	0.092	VII
SIMI-SANTA ROSA	44.2	(71.2)	6.7	0.081	VII
CLEGHORN	44.5	(71.6)	6.5	0.060	VI
SAN CAYETANO	48.4	(77.9)	6.8	0.080	VII
CORONADO BANK	50.1	(80.7)	7.4	0.088	VII
ELSINORE-TEMECULA	50.1	(80.7)	6.8	0.064	VI
SAN JACINTO-SAN JACINTO VALLEY	51.1	(82.2)	6.9	0.066	VI
NORTH FRONTAL FAULT ZONE (West)	53.6	(86.3)	7.0	0.082	VII
SAN ANDREAS - Carrizo	54.7	(88.0)	7.2	0.074	VII
SANTA YNEZ (East)	60.2	(96.9)	7.0	0.062	VI
OAK RIDGE(Blind Thrust Offshore)	62.9	(101.2)	6.9	0.069	VI
VENTURA - PITAS POINT	63.5	(102.2)	6.8	0.065	VI

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi (km)	ESTIMATED MAX. EARTHQUAKE EVENT: MAXIMUM EARTHQUAKE MAG. (Mw)	ESTIMATED MAX. EARTHQUAKE EVENT: PEAK SITE ACCEL. g	ESTIMATED MAX. EARTHQUAKE EVENT: EST. SITE INTENSITY MOD.MERC.
CHANNEL IS. THRUST (Eastern)	65.3(105.1)	7.4	0.087	VII
MONTALVO-OAK RIDGE TREND	68.6(110.4)	6.6	0.055	VI
M.RIDGE-ARROYO PARIDA-SANTA ANA	68.7(110.5)	6.7	0.058	VI
ROSE CANYON	70.9(114.1)	6.9	0.051	VI
SAN JACINTO-ANZA	71.2(114.6)	7.2	0.060	VI
HELENDALE - S. LOCKHARDT	72.0(115.9)	7.1	0.057	VI
RED MOUNTAIN	72.4(116.5)	6.8	0.050	VI
GARLOCK (West)	72.8(117.1)	7.1	0.056	VI
PLEITO THRUST	73.7(118.6)	7.2	0.071	VI
ELSINORE-JULIAN	76.0(122.3)	7.1	0.054	VI
BIG PINE	77.2(124.3)	6.7	0.043	VI
NORTH-FRONTAL FAULT ZONE (East)	77.4 (124.5)	6.7	0.053	VI
SANTA CRUZ ISLAND	79.6(128.1)	6.8	0.054	VI
PINTO MOUNTAIN	80.7(129.8)	7.0	0.049	VI
LENWOOD-LOCKHART-OLD WOMAN SPRGS	83.8(134.8)	7.3	0.056	VI
WHITE WOLF	85.4(137.5)	7.2	0.063	VI
GARLOCK (East)	90.7(146.0)	7.3	0.052	VI
JOHNSON VALLEY (Northern)	91.2(146.7)	6.7	0.038	V
GRAVEL HILLS - HARPER LAKE	91.9(147.9)	6.9	0.042	VI
LANDERS	92.4(148.7)	7.3	0.052	VI
NORTH CHANNEL SLOPE	92.8(149.3)	7.1	0.056	VI
SANTA YNEZ (West)	93.3(150.2)	6.9	0.042	VI
SAN ANDREAS - Coachella	95.0(152.9)	7.1	0.046	VI
BLACKWATER	96.4(155.2)	6.9	0.041	V
CALICO - HIDALGO	98.6(158.7)	7.1	0.044	VI
EMERSON So. - COPPER MTN.	98.9(159.1)	6.9	0.040	V
BURNT MTN.	98.9(159.2)	6.4	0.031	V
SAN JACINTO-COYOTE CREEK	99.4(160.0)	6.8	0.038	V
EUREKA PEAK	99.8 (160.6)	6.4	0.030	V

-END OF SEARCH- 69 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

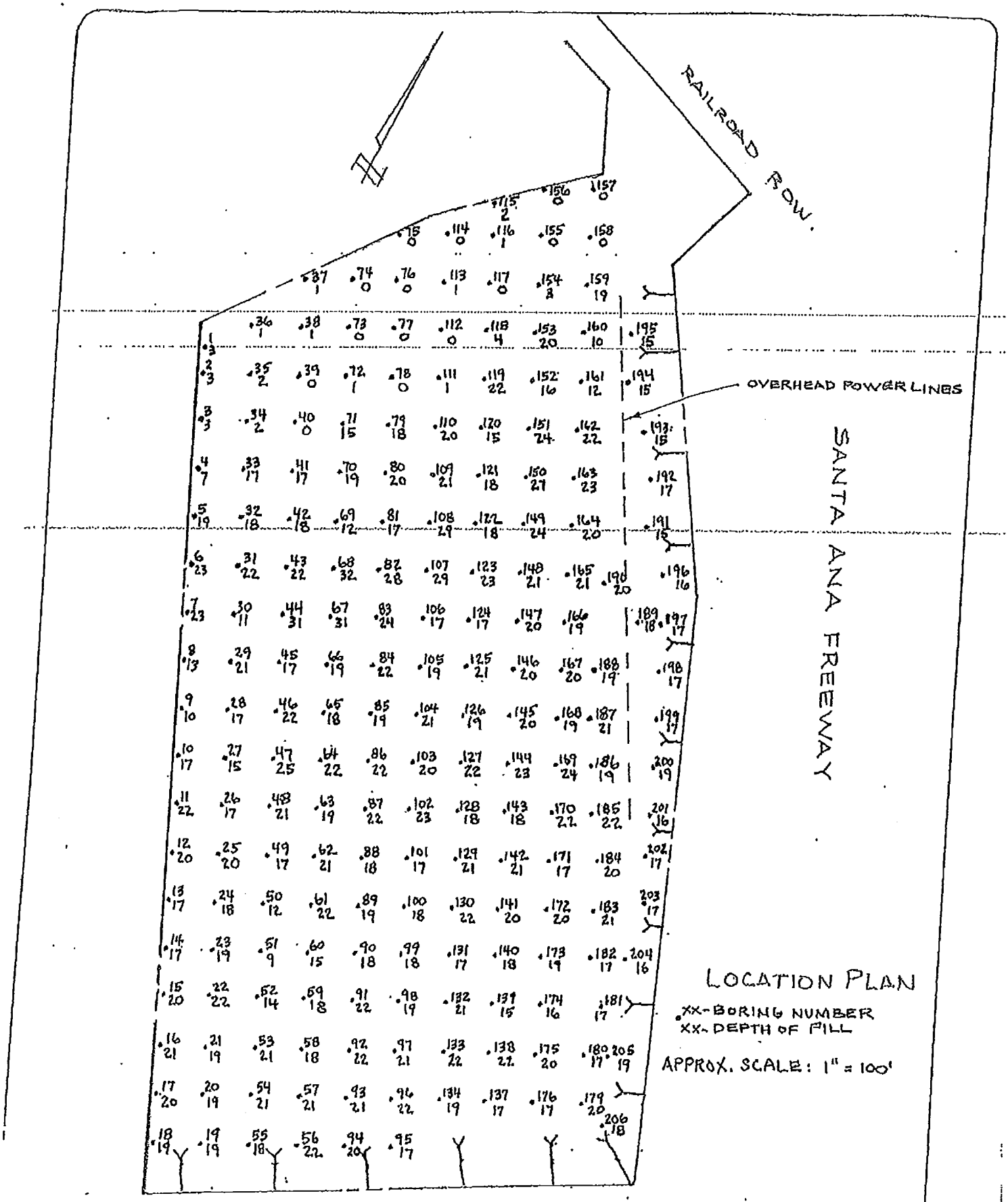
THE ELYSIAN PARK THRUST FAULT IS CLOSEST TO THE SITE.
IT IS ABOUT 0.0 MILES (0.0 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.5910 g

Summarized herein are the results of our supplemental exploratory boring program performed on the site to further evaluate the depth of artificial fill and debris on the subject property. The borings were excavated on an approximately 40 foot grid pattern across the site. The approximate depth of artificial fill and debris is indicated on the attached table and the approximate boring location are indicated on the attached plan.

If you have any questions regarding this memo or the referenced reports, please contact the undersigned.

Respectfully submitted,



FILE: 444-4194

Date	Hole No.	A.C.	Base	Clean fill	Debris	Comments
10-1-04	1	2.3"	5"	3'	0	
10-1-04	2	---	---	---	0	
10-1-04	3	4.5"	---	3'	0	
10-1-04	4	3.5"	---	4'	7'	Native Sandy Silt pour is loose
10-1-04	5*	---	---	---	19'	*Geotechnical Boring #2
10-1-04	6	4"	3"	4'	23'	
10-1-04	7	3½'	---	3½'	23'	
10-1-04	8	5"	---	2½'	13'	
10-5-04	9	4.5"	---	3'	10'	Slightly-Trashy 3-4½ wood
10-5-04	10	Broken Pieces Concrete		2½'	17'	
10-5-04	11	4.25"	---	3'	22'	Several layers of soil between trash
10-5-04	12	3.5"	---	6'	20'	Upper 6' little debris
10-5-04	13	4.0"	---	2'	17'	
10-5-04	14	5.0"	---	2'	17'	
10-5-04	15	8.0"	---	2½'	20'	
10-5-04	16*	---	---	---	21'	*Geotechnical Boring #3
10-5-04	17	2½"	3"	2'	20'	
10-5-04	18	2"	---	2'	19'	
10-5-04	19	4"	---	18"	19'	
10-5-04	20	6"	---	2'	19'	
10-5-04	21	4.5"	---	2'	19'	
10-5-04	22	5.0"	5.0"	2'	22'	
10-6-04	23	3.0"	11.0"	18"	19'	
10-6-04	24	3.5"	9.0"	1'	18'	6' of wood, 18"-6' chunks of plastic
10-6-04	25	2.5"	15"	7'	19.5'	1'-3' Silty Sand w/ chucks of plastic
10-6-04	26	2"	15"	3'	17'	
10-6-04	27	---	18"	2'	15'	1½" Crushed Rock (Rail Road)
10-6-04	28	---	2½'	3'	17'	Refusal 3 pulls w/wire no depth
10-6-04	29*	---	---	---	21'	*Geotechnical Boring #4
10-6-04	30	---	3'	3+'	11'	Little Trash at 3-11'
10-6-04	31	---	1.5'	3'	22'	Lot of Tires @ 16'
10-6-04	32	---	1.5'	5'	18'	
10-6-04	33	---	1.5'	6'	17'	
10-6-04	34	3"	4"	2'	0	
10-6-04	35	3"	4"	2'	0	Native Brown Sandy Silt trace of clay
10-6-04	36	2"	6.5"	1'	0	Native Brown Sandy Silt trace of clay
10-6-04	37	2.5"	4"	1'	0	Native Brown Sandy Silt trace of clay
10-6-04	38	2.5"	1.5"	1'	0	Native Brown Sandy Silt trace of clay
10-6-04	39	6.0"	1.5"	---	0	Native Brown Sandy Silt trace of clay
10-6-04	40	2"	5"	---	0	Grey Sand
10-6-04	41	2"	5"	4'	17'	
10-7-04	42	2"	7"	2'	18'	Moved Hole 10' east due to concrete scrap
10-7-04	43	---	---	6'	22'	1-4' pieces of concrete
10-7-04	44	---	---	3'	31'	N/G Sand moist

Date	Hole No.	A/C	Base	Clean Fill	Debris	Comments
10-7-04	45	---	12"	7'	17'	4-5' Little Trashy, 5-7' clean, 5 trash
10-7-04	46	---	---	3'	22'	
10-7-04	47	---	---	5'	23'	Rocky/Concrete 0-2"
10-7-04	48	---	---	4'	12'	
10-7-04	49	---	---	5'	17'	
10-7-04	50	2"	5"	3'	12'	
10-7-04	51	9"	3"	4'	9'	
10-7-04	52	8"	---	2'	14'	
10-7-04	53	4"	6"	1'	21'	
10-7-04	54	5"	---	1'	21'	
10-8-04	55	3½"	---	6"	18'	2 Refusal @ 1' and 3½'
10-8-04	56	3½"	---	6"	22'	
10-8-04	57	3"	7"	6"	21'	
10-8-04	58	6½"	3"	6"	18'	
10-8-04	59	10"	4"	6"	18'	
10-11-04	60	11"	5"	2'	15'	
10-11-04	61	2"	5"	2.5'	22'	
10-11-04	62	2.5"	---	2'	15'	
10-11-04	63	---	---	3'	19'	
10-11-04	64	---	---	6'	22'	
10-11-04	65	---	---	3'	18'	
10-11-04	66	---	---	6'	19'	
10-11-04	67	---	---	6'	31'	Sandy Clay Grey
10-11-04	68	---	---	3'	32'	
10-11-04	69	4"	5"	3.5'	12'	
10-12-04	70	5"	3.5"	6"	19'	
10-12-04	71	3"	3"	2'	15'	
10-12-04	72	2"	5"	1'	1'	
10-12-04	73	3"	2.5"	---	0	Native Sandy Silty Clay-Brown
10-12-04	74	---	---	---	0	Native Sandy Silty Clay-Brown
10-12-04	75	---	---	---	0	Native Sandy Silty Clay-Brown
10-12-04	76	3"	6"	---	0	Native Sandy Silty Clay- Brown
10-12-04	77	3.5"	3.5"	---	0	Native Sandy Silty Clay- Brown
10-12-04	78	4"	3"	---	0	Native Silty Sand Light Brown
10-12-04	79	3"	3"	3'	18'	Oil Contamination Smell
10-12-04	80	2.5"	2.5"	1'	20'	
10-12-04	81	---	---	1'	17'	
10-12-04	82	---	---	5'	28'	
10-12-04	83	---	---	3'	24'	Gravel/Rock @0-2'
10-12-04	84	---	---	5'	22'	Gravel/Rock @ 0-2'
10-12-04	85	---	---	5'	19'	
10-12-04	86	---	---	5'	22'	
10-13-04	87	---	---	7'	22'	3-4' Little Trashy
10-13-04	88	---	---	4'	18'	
10-13-04	89	3"	8"	2.5'	19'	
10-13-04	90	7"	3"	1'	18'	

Date	Hole No	AC	Base	Clean Fill	Debris	Comments
10-13-04	91	5"	7"	1.5'	19'	
10-13-04	92	4"	2"	1'	22'	
10-13-04	93	12"	---	2'	21'	
10-13-04	94	---	---	---	20'	Old Boring
10-13-04	95*	---	---	---	17'	*Geotechnical Boring #4
10-13-04	96	3"	10"	1.5'	22'	4.5" AC- 10" Gage- 3" AC
10-13-04	97	12.5"	---	2'	21'	1st Hole Terminated @ 7'
10-13-04	98	12"	---	2'	19'	
10-13-04	99	6"	3"	2'	18'	
10-13-04	100*	---	---	---	18'	*Geotechnical Boring #5
10-13-04	101	---	---	5'	17'	
10-13-04	102	---	---	6'	23'	
10-13-04	103	---	---	5'	20'	
10-13-04	104	---	---	12'	21'	
10-13-04	105	---	---	5'	19'	
10-14-04	106	---	---	4'	17'	
10-14-04	107	---	---	3'	29'	Grey Sandy Silty Native
10-14-04	108*	---	---	---	29	*Geotechnical Boring #1
10-14-04	109	---	---	4'	21'	
10-14-04	110	---	---	---	20'	Old Boring
10-14-04	111	3"	5"	1'	0	Native Brown Sandy Silt
10-14-04	112	4"	3"	---	0	Native Brown Sandy Silt
10-14-04	113*	---	---	1'	0	*Geotechnical Boring #9
10-14-04	114	---	---	---	0	Native Brown Sandy Silt
10-14-04	115	---	---	1.5'	0	Old Boring- Native Brown Sandy Silt
10-14-04	116	3"	4"	1'	0	Native Brown Sandy Silt
10-14-04	117	3"	4"	---	---	Native Brown Sandy Silt
10-14-04	118	---	---	3.5'	0	Native Brown Sandy Silt
10-14-04	119	---	---	7'	22'	4-7' Gravel/Rock
10-14-04	120	---	---	2'	15'	
10-14-04	121	3"	3"	2.5'	18'	
10-14-04	122	---	---	1'	18'	
10-14-04	123	---	---	4'	23'	
10-14-04	124	---	---	3'	21'	
10-14-04	125	---	---	3'	21'	
10-14-04	126	---	---	3'	19'	
10-14-04	127	---	---	---	22'	Old Boring
10-14-04	128	---	---	3'	18'	
10-14-04	129	3"	5"	2'	21'	10" AC/5" Base/3" AC
10-14-04	130	3"	4.5"	2'	22'	
10-15-04	131	4"	6.5"	2'	17'	No Base 6.5" Concrete
10-15-04	132	6"	2"	1.5'	21'	
10-15-04	133	3.5"	6.5"	3'	22'	
10-15-04	134	2"	---	2.5'	19'	
10-15-04	135	No Boring				Location @ East Slope
10-15-04	136	No Boring				Location @ East Slope

Date	Hole No	A/C	Base	Clean Fill	Debris	Comments
10-15-04	137	3"	---	5'	17'	Little Trash 3-5'
10-15-04	138	4"	---	3'	22'	
10-15-04	139	1.5"	---	2'	15'	
10-21-04	140	4.5"	---	1.5'	18'	
10-21-04	141	4"	6"	2'	20'	
10-21-04	142	4"	4"	1'	21'	
10-18-04	143	2.5"	7"	1.5'	18'	
10-18-04	144	---	---	3'	23'	
10-18-04	145	---	---	4'	20'	
10-18-04	146	---	---	2.5'	20'	
10-18-04	147	---	---	2.5'	20'	
10-18-04	148	---	---	3'	21'	
10-18-04	149	---	---	2'	24'	
10-18-04	150	---	---	1.5'	27'	
10-18-04	151	3"	3"	---	24'	
10-18-04	152	---	---	1'	16'	
10-18-04	153	---	---	8'	20'	
10-18-04	154	---	---	3'	0	
10-18-04	155	3"	2.5"	---	0	
10-18-04	156	---	---	---	0	
10-18-04	157	No Boring				Driveway/Utilities
10-18-04	158	3"	5"	---	0	
10-18-04	159	3"	4"	3'	19'	
10-19-04	160*	3"	4"	---	10'	*Geotechnical Boring # 8
10-19-04	161	3"	4"	1'	12'	
10-19-04	162	3"	5"	1'	22'	
10-19-04	163	3"	5.5"	1.5'	23'	
10-19-04	164	3.5"	5"	---	20'	
10-19-04	165	4"	2.5"	1'	21'	
10-19-04	166	---	---	2'	19'	
10-19-04	167	---	---	2'	20'	
10-19-04	168	5"	4"	1'	19'	
10-19-04	169	3"	6"	2'	24'	
10-19-04	170	3.5"	6"	2'	22'	
10-19-04	171	2.5"	8.5"	1'	17'	
10-19-04	172	3.5"	8.0"	15.5'	20'	
10-19-04	173	3.5"	7"	3'	19'	
10-19-04	174	3"	---	2.5'	16'	
10-19-04	175	---	---	---	20'	
10-19-04	176	2"	---	3'	28'	Little Trash Upper 12"
10-19-04	177	No Boring				Slope @ East End
10-19-04	178	No Boring				Slope @ East End
10-19-04	179	6.5"	---	6'	20'	Gravel @ 3'
10-20-04	180	4.5"	1"	2'	17'	
10-20-04	181*	---	---	---	17'	*Geotechnical Boring #6
10-20-04	182	4.5"	1"	2'	17'	

APPENDIX B

TRENCH LOGS

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 5/8/13

TRENCH ID: T1

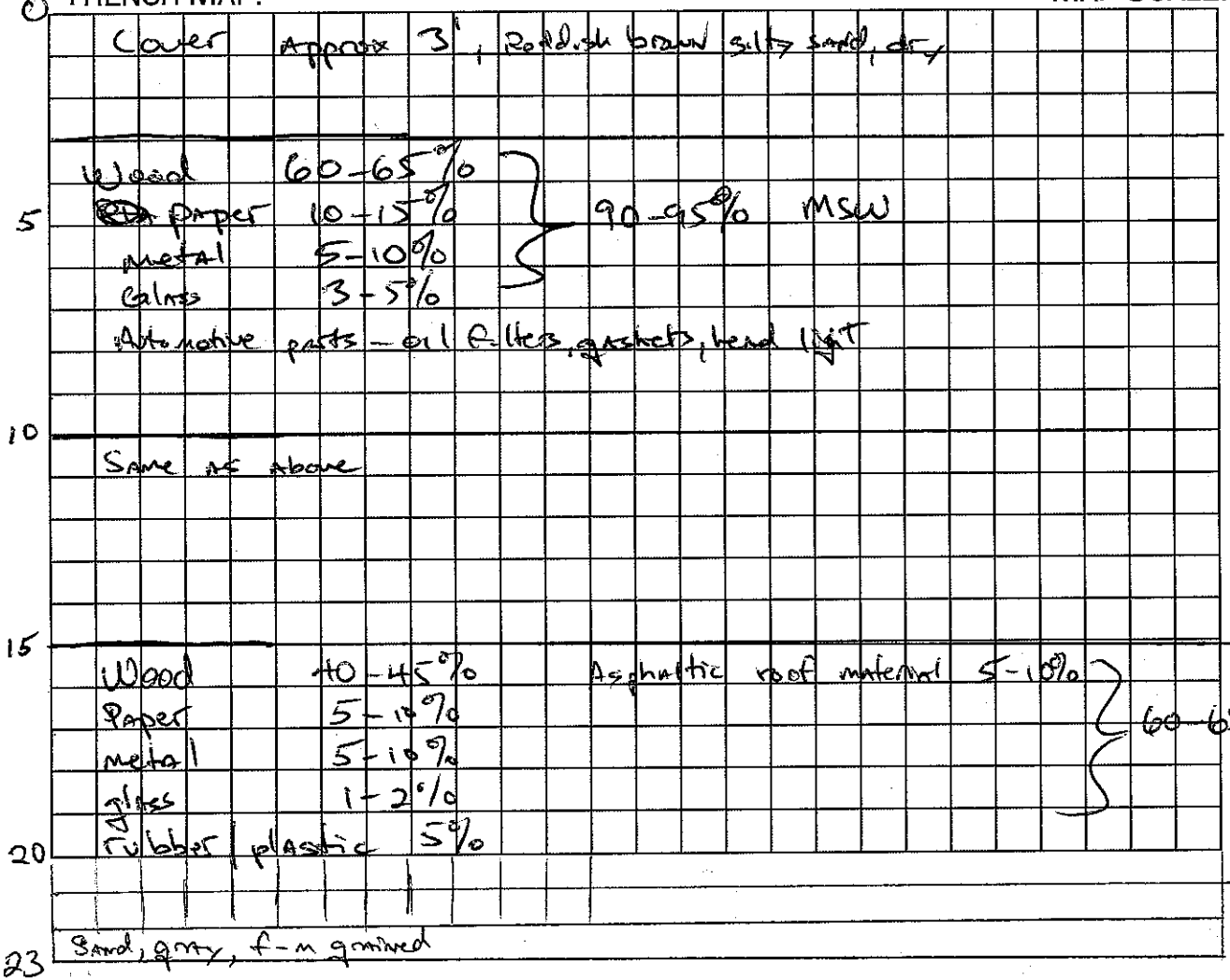
TIME: 1409

SAMPLER: JF/AR

WEATHER: clear

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

HC odor PID up to 52 ppm @ 4.0

Upper 10 feet of material were detectable VOC on PID

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 5/8/13

TRENCH ID: T2

TIME: 12:55

SAMPLER: JF/AR

WEATHER: Cloudy

TRENCH MAP:

MAP SCALE: 33° 58' 24" N, 118° 7' 30" W

0

Silty sand with 6" debris lens at 4 fbgs.

Soil 90%
Glass 5%
Metal 4%
Misc 1%

5

Wood 50-60%
Rubber tires (tire beads) (long) 15-20%
Asphaltite roof rolls 5%
Glass 1%
Metal 2%

70-75%

10

Wood 30-35%
metal 2-3%
Asphaltic roof tiles 2-3%
Glass 1%

35-40%

15

Wood 10-15%
tire beads/Rubber 5-8%

Material is layered beginning at 16' BGS. Approx 1-2 feet alternating between soil and debris.

20

Wood 5-10%
Rubber 3-5%

f-sand, grayish, moist, trace m sand.

23

FIELD_NOTES

Stockpile
CH_4 - 100 - 500 ppm
CO_2 - 150 - 1000 ppm
O_2 - 20.9%
No H_2S

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 5-8-13

TRENCH ID: T3

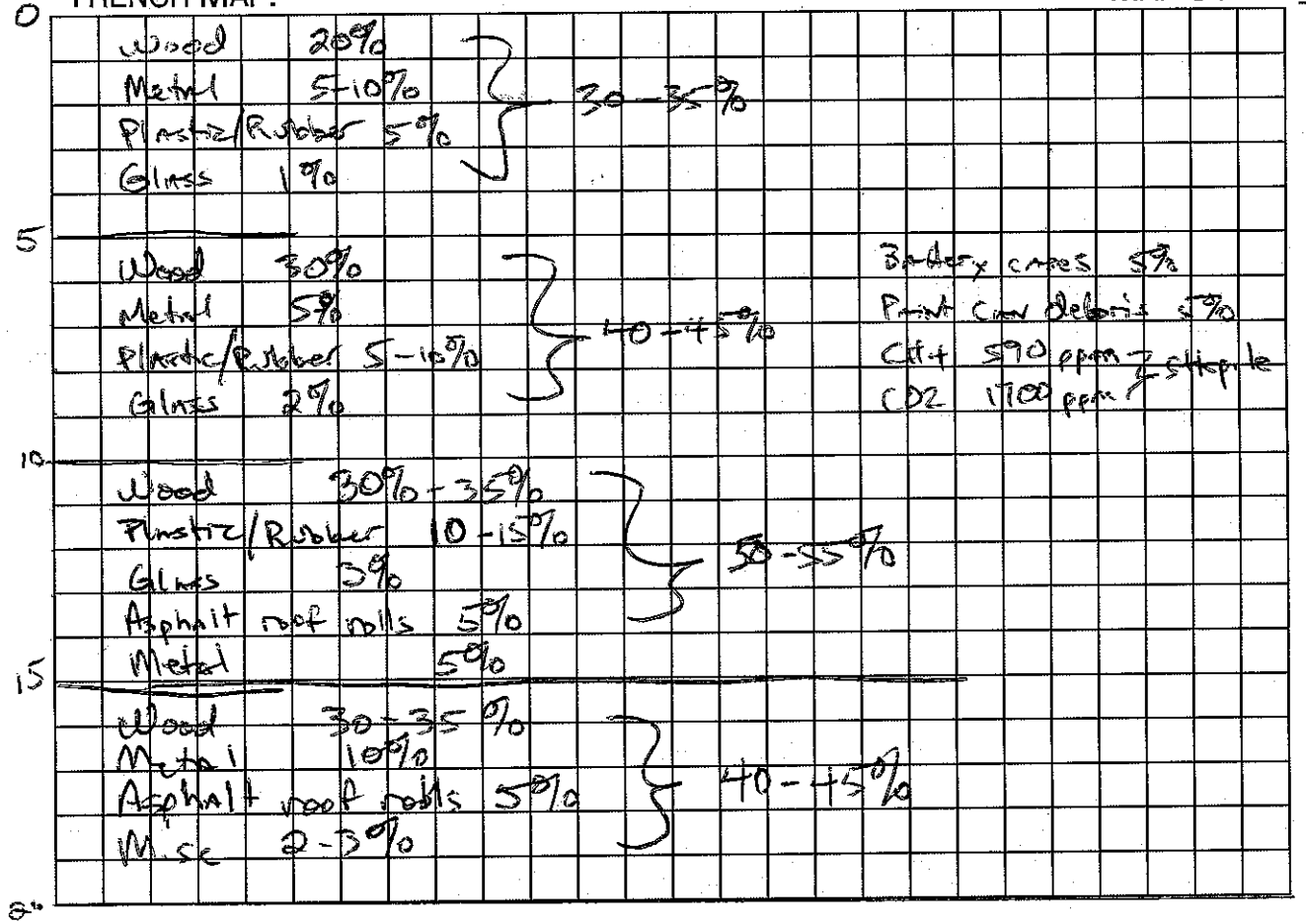
TIME: 10:55

SAMPLER: JF/AR

WEATHER: Cloudy

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

California Integrated Waste Management Board

TRENCH LOG

SITE: Gage Ave Landfill

DATE: 5-8-13

TRENCH ID: T4

TIME: 7:15

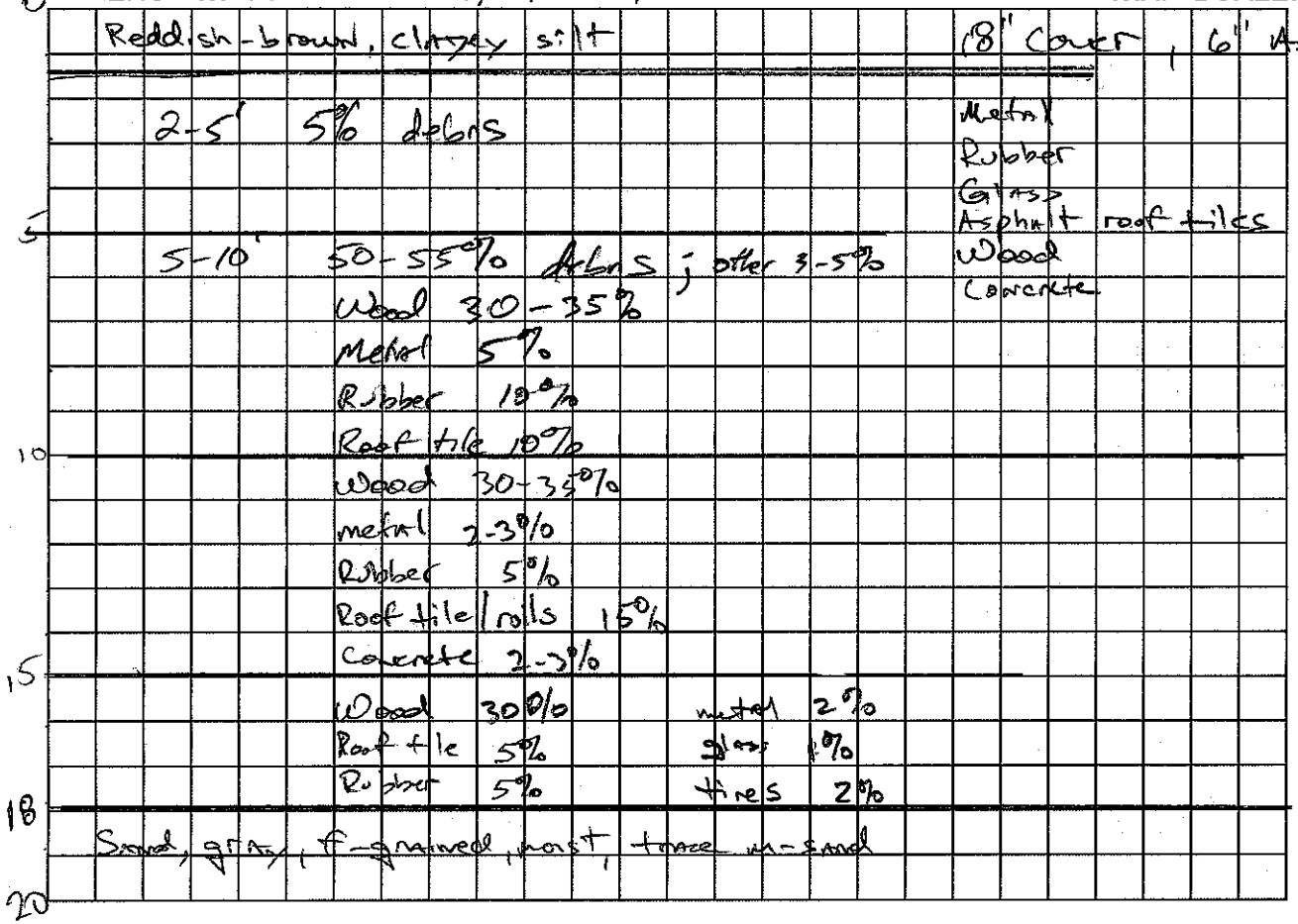
SAMPLER: NF/AR

WEATHER: Cloudy

33°58'22"N, 118°7'27"W

TRENCH MAP: No CH_4, CO, VOC's, 20.9%

MAP SCALE:



FIELD_NOTES

Multiple palms tree trunks laying horizontal at 15 ft bgs.

CO_2 from 300-750 ppm while excavating. O_2 20.9%

No CH_4, H_2S

-five sand at ~ 18 ft bgs grayish, moist, occasional med sand

California Integrated Waste Management Board

TRENCH LOG

SITE: Gaye Ave Landfill

DATE: 5-8-13

TRENCH ID: T5

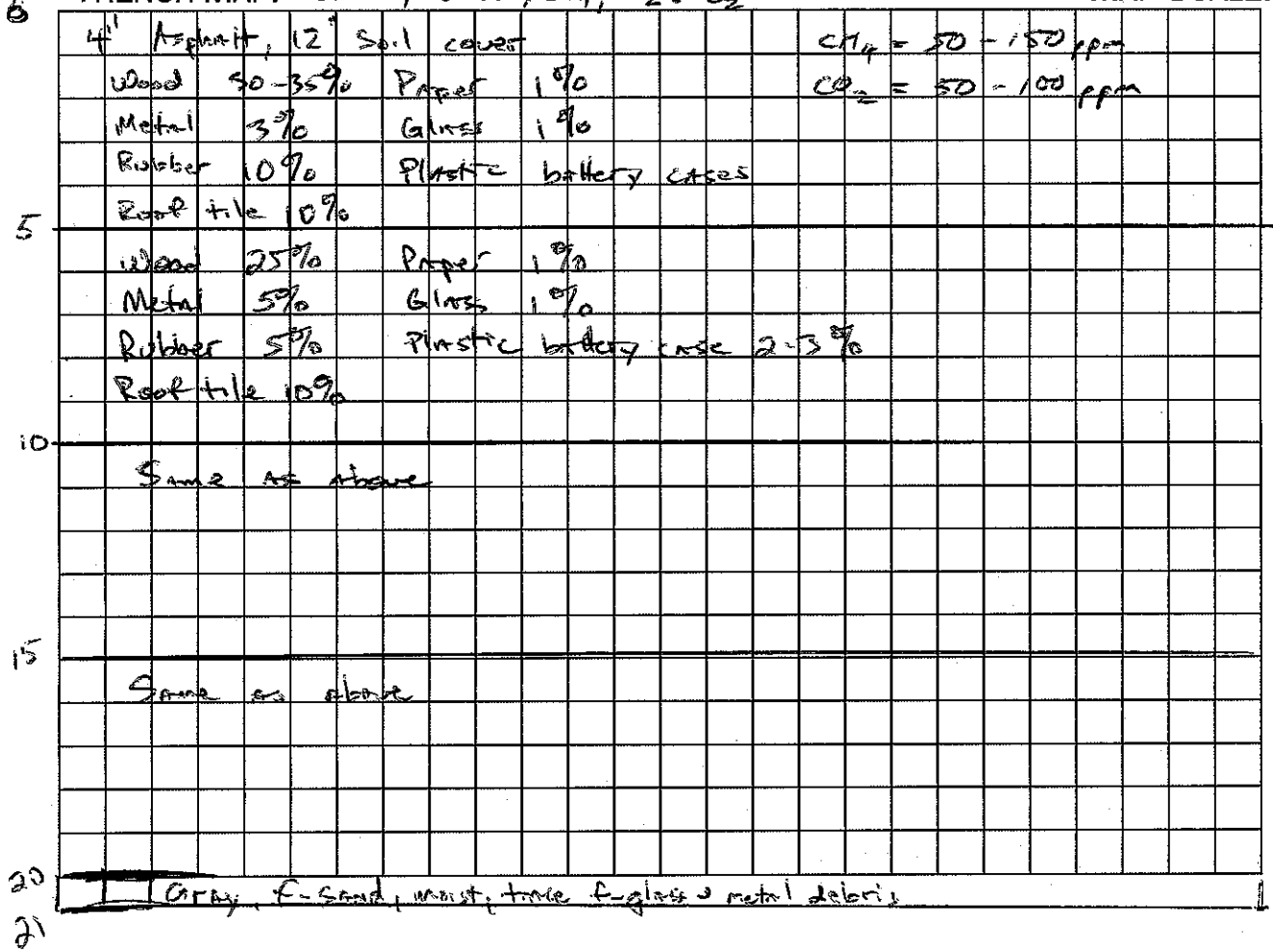
TIME:

SAMPLER: JF/AR

WEATHER: Clear

TRENCH MAP: Start, no VOC, CH_4, CO_2 - O_2 20.9%

MAP SCALE: 33° 58' 21" N, 118° 7' ~~33~~ 29" W



CH_4 = 50 - 150 ppm

CO_2 = 50 - 100 ppm

FIELD_NOTES

CH_4 stockpile 50-300 ppm

CO_2 " " 50-170 ppm

APPENDIX C

OFFICIAL LABORATORY REPORT AND CHAIN OF CUSTODY RECORDS

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 05/17/2013

James Ferrara

TRC
123 Technology Drive
Irvine, CA 92618

Project:	Gage Ave Landfill
BC Work Order:	1309783
Invoice ID:	B146426

Enclosed are the results of analyses for samples received by the laboratory on 5/9/2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page 1 of 2

Report To:
Client: TRC
Attn: JAMES FERRARA
Street Address: 123 TECHNOLOGY DR
City, State, Zip: IRVINE, CA 92618
Phone: 949-727-9336 Fax:
Email Address: JFerrara@TRCSolutions.com DLennon@TRCSolutions.com
Work Order #: 13-09783

Project #: 203004.0002.0000
Project Name: GAGE AVE LANDFILL
Global ID #:
Sampler(s): J. FERRARA, A. RAMIREZ

Analysis Requested

Comments:

Please refer to the back of this page for description and method legend.

Sample #	Description	Date Sampled	Time Sampled	EPA 8015C – Carbon Chain	EPA 8015C – Oxygenates	Pesticides & PCBs – Chlorinated	EPA 8260 – Purgeable	Halogenated & Aromatics	EPA 8270 – Acid Extractables	and Base Neutrals	Luft Method – TPH(Gas)	TTLC (+ Retain)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	# Containers	Other	Turnaround # of work days*	Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No	Notes
1	T4-5 -1	05/08/13	0730	X	X	X	X	X	X				X					2		*		
2	T4-10 -2		0755										X					2				
3	T4-15 -3		0835										X					2				
4	T4-18 -4		0900										X					2				
5	T5-5 -5		0920										X					2				
6	T5-10 -6		0935										X					2				
7	T5-15 -7		0945										X					2				
8	T5-21 -8		1000										X					2				
9	T3-5 -9		1100										X					2				
10	T3-10 -10		1105										X					2				
11	T3-15 -11		1115										X					2				
12	T3-20 -12		1130										X					2				
13	T2-5 -13		1300										X					2				
14	T2-10 -14		1305										X					2				

SHIP BY DISTRIBUTION
KIO SUB OUT

Billing
☐ Same as above
Client: TRC
Address: 123 Technology Drive W
City: Irvine State CA Zip 92618
Attn: David Lennon
PO#:

Report Drinking Waters on State Form? ☐ Yes ☒ No
Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	5/9/13	1350	[signature]	5/9/13	1440
2.	[signature]	5/9/13	1845	KOR	5/9/13	1845
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page 2 of 2

Report To:
Client: TRC
Attn: JAMES FERRARA
Street Address: 123 TECHNOLOGY DR
City, State, Zip: IRVINE, CA 92618
Phone: 949-727-9336 Fax:
Email Address: JFerrara@TRCSolutions.com
Work Order #: 13-09783

Project #: 203064.0002.0000
Project Name: GAGE AVE LANDFILL
Global ID #:
Sampler(s): J. FERRARA, A. RAMIREZ

Analysis Requested

Comments: Please refer to the back of this page for description of abbreviations and method legend.

Sample #	Description	Date Sampled	Time Sampled	EPA 8081 - Organo-Chlorine Pesticides & PCBs	EPA 8260 - Purgeable Halocarbons	EPA 8270 - Acid Extractables and Base Neutrals	Luft Method TPH (Gas)	TTLC (17 Metals)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	# Containers: Other	Turnaround # of work days*	Notes
15	T2-15 -15	05/08/13	1318	X	X	X	X	X	X					2	*	
16	T2-16 -16		1325						X					2		Hold
17	T2-23 -17		1342	X	X	X	X	X	X					2		Hold
18	T1-5 -18		1422						X					2		
19	T1-10 -19		1434						X					2		
20	T1-15 -20		1443						X					2		
21	T1-20 -21		1450						X					2		
22	T1-23 -22		1503						X					2		Hold

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

Billing ☐ Same as above
Client:
Address:
City: State Zip
Attn:
PO#:

Report Drinking Waters on State Form? ☐ Yes ☒ No

Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.		5/9/13	1350		5/9/13	1400
2.		5/9/13	1845	KOR	5/9/13	1845
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 1 Of 4

ubmission#: 13-09783

SHIPPING INFORMATION
ederal Express ☐ UPS ☐ Hand Delivery ☐
C Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

efrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207 Date/Time 5/9/13

Temperature: (A) 1.6 °C / (C) 1.7 °C Analyst Init KIQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	x2	13 x	14 x	15 x	16 x	17 x	18 x	19 x	20 x	no 21
GENERAL MINERAL/ GENERAL PHYSICAL										
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
. NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
ml VOA VIAL TRAVEL BLANK										
ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
EPA 413.1, 413.2, 418.1										
ODOR										
DIOLOGICAL										
CTERIOLOGICAL										
ml VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
AMBER										
Z. JAR										
OZ. JAR	AB	A	AB	A	AB	A	A	AB	A	A
L SLEEVE										
3 VIAL										
ASTIC BAG										
ROUS IRON										
CORE										
ART KIT										

mments:_____

ple Numbering Completed By: KIQ Date/Time: 5/10/13 @ 1710

Actual / C = Corrected

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C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 2 Of 4

ubmission-#: 13-09783

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
C Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

etrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207

Temperature: (A) 1.6 °C / (C) 1.7 °C

Date/Time 5/9/13

Analyst Init KIQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	22r	2	3	4	5	6	7	8	9	10
GENERAL MINERAL/ GENERAL PHYSICAL										
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
. NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
al VOA VIAL TRAVEL BLANK										
al VOA VIAL										
EPA 413.1, 413.2, 418.1										
ODOR										
DIOLOGICAL										
CTERIOLOGICAL										
ml VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
AMBER										
Z. JAR 1602	AB									
OZ. JAR										
L SLEEVE										
B VIAL										
STIC BAG										
ROUS IRON										
CORE										
ART KIT										

mments:

ple Numbering Completed By: KIQ Date/Time 5/10/13 @ 1710

Acted Cor Corrected

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Chain of Custody and Cooler Receipt Form for 1309783 Page 5 of 6

C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 3 Of 4

ubmission #: 13-09783

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
C Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

efrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207

Temperature: (A) 3.3 °C / (C) 3.4 °C

Date/Time 5/9/13

Analyst Init KLQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2 3	4	5	6	7	8	9	10	11
GENERAL MINERAL/ GENERAL PHYSICAL										
PE UNPRESERVED										
INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS										
CYANIDE										
NITROGEN FORMS										
TOTAL SULFIDE										
NITRATE / NITRITE										
TOTAL ORGANIC CARBON										
TOX										
CHEMICAL OXYGEN DEMAND										
PHENOLICS										
ml VOA VIAL TRAVEL BLANK										
ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
EPA 413.1, 413.2, 418.1										
ODOR										
BIOLOGICAL										
CTERIOLOGICAL										
ml VOA VIAL- 504										
EPA 508/608/8080										
EPA 515.1/8150										
EPA 525										
EPA 525 TRAVEL BLANK										
ml EPA 547										
ml EPA 531.1										
EPA 548										
EPA 549										
EPA 632										
EPA 8015M										
AMBER										
Z. JAR 16oz	AB									
OZ. JAR		AB	AB	AB	AB	AB	AB	AB	AB	AB
L SLEEVE										
VIAL										
STIC BAG										
ROUS IRON										
CORE										
ART KIT										

ments:

ple Numbering Completed By: KLQ Date/Time: 5/10/13 @ 1710

Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1309783 Page 6 of 6

C LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 4 of 4

ubmission-#: 13-09783

SHIPPING INFORMATION	SHIPPING CONTAINER
ederal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
C Lab Field Service ☑ Other ☐ (Specify)_____	Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

ll samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: Clear glass Thermometer ID: 207

Temperature: (A) 3.3 °C / (C) 3.4 °C

Date/Time 5/9/13

Analyst Init KIQ 1845

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	12	13	15	17	18	20	21	8	9	10
T GENERAL MINERAL/ GENERAL PHYSICAL										
T PE UNPRESERVED										
T INORGANIC CHEMICAL METALS										
T INORGANIC CHEMICAL METALS										
T CYANIDE										
T NITROGEN FORMS										
T TOTAL SULFIDE										
z. NITRATE / NITRITE										
T TOTAL ORGANIC CARBON										
T TOX										
T CHEMICAL OXYGEN DEMAND										
A PHENOLICS										
ml VOA VIAL TRAVEL BLANK										
ml VOA VIAL										
T EPA 413.1, 413.2, 418.1										
T ODOR										
ADIOLOGICAL										
ACTERIOLOGICAL										
ml VOA VIAL- 504										
T EPA 508/608/8080										
T EPA 515.1/8150										
T EPA 525										
T EPA 525 TRAVEL BLANK										
0ml EPA 547										
0ml EPA 531.1										
T EPA 548										
T EPA 549										
T EPA 632										
T EPA 8015M										
T AMBER										
OZ. JAR										
OZ. JAR	AB	B	B	B	B	B	B			
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
NCORE										
MART KIT										

mments:

mple Numbering Completed By: KIQ Date/Time 5/10/13 @ 1710

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-01	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 07:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T4-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T4
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-02	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 07:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T4-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T4
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-03	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 08:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T4-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T4
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1309783-04	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T4-18	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T4
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-05	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:20
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T5-5	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T5
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-06	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:35
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T5-10	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T5
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1309783-07	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 09:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T5-15	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T5
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-08	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 10:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T5-21	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T5
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-09	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 11:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T3-5	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T3
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-10	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-11	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-12	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 11:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T3-20	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T3
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-13	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-14	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-10	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-15	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:18
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-15	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1309783-16	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-16	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-17	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 13:42
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T2-23	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1309783-18	**COC Number:**	---	**Receive Date:**	05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:**	05/08/2013 14:22
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T1-5	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1309783-19	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 14:34
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T1-10	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T1
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-20	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 14:43
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T1-15	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T1
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:
1309783-21	**COC Number:**	---	**Receive Date:** 05/09/2013 18:45
	Project Number:	Gage Ave Landfill	**Sampling Date:** 05/08/2013 14:50
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	T1-20	**Lab Matrix:** Solids
	Sampled By:	TRCI	**Sample Type:** Soil
			Delivery Work Order:
			Global ID:
			Location ID (FieldPoint): T1
			Matrix: SO
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

1309783-22

COC Number: ---
Project Number: Gage Ave Landfill
Sampling Location: ---
Sampling Point: T1-23
Sampled By: TRCI

Receive Date: 05/09/2013 18:45
Sampling Date: 05/08/2013 15:03
Sample Depth: ---
Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:
Global ID:
Location ID (FieldPoint): T1
Matrix: SO
Sample QC Type (SACode): CS
Cooler ID:

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00076	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**1.6**	**mg/kg**	**0.10**	**0.013**	**EPA-8080**	ND		2
4,4'-DDE	**0.19**	**mg/kg**	**0.10**	**0.0090**	**EPA-8080**	ND		2
4,4'-DDT	ND	mg/kg	0.0050	0.00031	EPA-8080	ND	A10	1
Dieldrin	**0.56**	**mg/kg**	**0.10**	**0.0064**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	104	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	66.3	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 20:59	VH1	GC-14	10	BWE1140
2	EPA-8080	05/13/13	05/16/13 21:30	VH1	GC-14	200	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.1	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 14:22	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	2.0	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	59	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	2.0	0.24	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	2.0	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.8	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**0.95**	**mg/kg**	**3.9**	**0.84**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDD	**2.1**	**mg/kg**	**2.0**	**0.33**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	2.0	0.61	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.8	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Fluorene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.0	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	59	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	2.0	0.73	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Pyrene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	2.0	0.69	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.8	0.24	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.8	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.65	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	65.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	72.2	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	73.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	78.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	50.3	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	80.7	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 17:45	SKC	MS-B2	19.608	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.43**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**15**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**17**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**52**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**100**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**140**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**390**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**270**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**240**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**48**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**61**	**mg/kg**	**3.9**	**1.9**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	3.9	1.9	EPA-8015CC	ND	A01	2
TPH (Total)	**1300**	**mg/kg**	**39**	**9.1**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	72.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 18:52	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 17:39	MWB	GC-13	3.896	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-01 | **Client Sample Name:** Gage Ave Landfill, T4-5, 5/8/2013 7:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.53	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	210	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.36	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.4	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	76	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	9.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	490	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	800	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.24	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	5.4	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	57	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	5.0	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.64	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	35	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	430	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 12:54	JRG	PE-OP2	0.971	BWE1099
2	EPA-7471A	05/14/13	05/14/13 11:45	MEV	CETAC1	0.977	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0099	0.00051	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0099	0.0028	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0099	0.0075	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0099	0.0015	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0099	0.0049	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.99	0.30	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0099	0.0012	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0099	0.00089	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0099	0.00061	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0099	0.00063	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0099	0.0017	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0099	0.0013	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0099	0.0026	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0099	0.00069	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0099	0.0012	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0099	0.0051	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0099	0.0030	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0099	0.0026	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.99	0.15	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.20	0.053	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.20	0.099	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.20	0.032	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.20	0.015	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.20	0.043	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.20	0.099	EPA-8080	ND	A10	1
TCMX (Surrogate)	195	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	95.1	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 21:45	VH1	GC-14	19.737	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0021**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0012**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.014**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 01:59	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Aldrin	ND	mg/kg	3.9	0.94	EPA-8270C	ND		1
Aniline	ND	mg/kg	7.8	2.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.6	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	3.9	0.47	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	3.9	0.58	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	3.9	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	19	2.6	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	7.8	1.7	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	3.9	1.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	3.9	0.58	EPA-8270C	ND		1
Chrysene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	7.8	0.26	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	3.9	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	3.9	0.86	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	7.8	0.78	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	7.8	0.82	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
Endrin	ND	mg/kg	7.8	0.97	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	19	0.86	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
Fluorene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	3.9	0.74	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	3.9	0.78	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	3.9	2.8	EPA-8270C	ND		1
Isophorone	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.2	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	7.8	0.58	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	7.8	0.97	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	3.9	0.58	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	3.9	1.4	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	3.9	0.82	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
Pyrene	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	3.9	0.70	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	7.8	0.86	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	3.9	1.4	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	19	0.47	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	19	0.30	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	3.9	0.66	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	7.8	0.70	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	7.8	0.51	EPA-8270C	ND		1
Phenol	ND	mg/kg	3.9	0.62	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	7.8	0.70	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	7.8	0.66	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	53.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	55.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	56.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	58.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.2	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	74.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 18:11	SKC	MS-B2	38.961	BWE1145

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.74**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	3.9	2.0	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	3.9	2.0	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**38**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**21**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**44**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**76**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**130**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**400**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**280**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**270**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**51**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**54**	**mg/kg**	**3.9**	**2.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	3.9	2.0	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**39**	**9.1**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	119	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 19:23	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 19:39	MWB	GC-13	3.922	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-02 | **Client Sample Name:** Gage Ave Landfill, T4-10, 5/8/2013 7:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	4.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	8.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	240	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.24	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.7	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	79	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	10	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	270	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	380	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.75	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	4.3	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	51	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.6	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	1.6	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.81	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	590	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:00	JRG	PE-OP2	0.962	BWE1099
2	EPA-7471A	05/14/13	05/14/13 11:55	MEV	CETAC1	0.977	BWE1022

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.014	0.00075	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.014	0.0040	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.014	0.011	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.014	0.0022	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.014	0.0072	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	1.4	0.43	EPA-8080	ND	A10	1
4,4'-DDD	**0.15**	**mg/kg**	**0.014**	**0.0018**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.014	0.0013	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.014	0.00089	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.014	0.00092	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.014	0.0025	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.014	0.0019	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.014	0.0038	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.014	0.0010	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.014	0.0018	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.014	0.0075	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.014	0.0043	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.014	0.0038	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	1.4	0.21	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.29	0.078	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.29	0.14	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.29	0.035	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.29	0.047	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.29	0.035	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.29	0.022	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.29	0.063	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.29	0.14	EPA-8080	ND	A10	1
TCMX (Surrogate)	108	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	213	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 23:00	VH1	GC-14	28.846	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0075**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0013**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0066**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0014**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.0049**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.018**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0019**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0083**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	**0.011**	**mg/kg**	**0.010**	**0.0034**	**EPA-8260B**	ND		1
p- & m-Xylenes	**0.0064**	**mg/kg**	**0.0050**	**0.0022**	**EPA-8260B**	ND		1
o-Xylene	**0.0049**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	99.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	84.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 15:14	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Aldrin	ND	mg/kg	12	2.8	EPA-8270C	ND		1
Aniline	ND	mg/kg	24	6.2	EPA-8270C	ND		1
Anthracene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Benzidine	ND	mg/kg	350	26	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	12	1.4	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	12	1.8	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	12	6.6	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	59	7.9	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	12	2.5	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	12	2.1	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	12	2.5	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	12	2.1	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	12	2.0	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	12	2.0	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	12	1.9	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	12	2.5	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	24	5.1	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	12	3.2	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	12	2.4	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	12	1.8	EPA-8270C	ND		1
Chrysene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	12	2.0	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	12	2.4	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	12	2.4	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	12	2.5	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	24	0.79	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	12	3.6	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	12	2.4	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	12	2.1	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	12	2.6	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	12	2.0	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	24	2.4	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	24	2.5	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	12	2.5	EPA-8270C	ND		1
Endrin	ND	mg/kg	24	2.9	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	59	2.6	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
Fluorene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	12	2.5	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	12	2.0	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	12	1.9	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	12	2.2	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	12	2.4	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	12	8.5	EPA-8270C	ND		1
Isophorone	ND	mg/kg	12	2.0	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	350	19	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	12	2.1	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	24	1.8	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	24	2.9	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	12	1.8	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	12	4.4	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	12	2.5	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	12	2.5	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
Pyrene	ND	mg/kg	12	2.0	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	12	2.1	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	24	2.6	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	12	1.9	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	12	2.0	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	12	4.1	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	59	1.4	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	59	0.91	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	12	2.0	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	24	3.9	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	12	1.9	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	24	2.1	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	24	1.5	EPA-8270C	ND		1
Phenol	ND	mg/kg	12	1.9	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	24	2.1	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	24	2.0	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	38.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	42.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	43.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	51.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	21.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	61.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 18:37	SKC	MS-B2	117.65	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.65**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	57	28	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	57	28	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**89**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**77**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**190**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**300**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**460**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**2000**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**2100**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**1800**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**370**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**540**	**mg/kg**	**57**	**28**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	57	28	EPA-8015CC	ND	A01	2
TPH (Total)	**8000**	**mg/kg**	**570**	**130**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	101	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 19:53	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 20:01	MWB	GC-13	56.604	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-03 | **Client Sample Name:** Gage Ave Landfill, T4-15, 5/8/2013 8:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.8	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.23	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.1	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	24	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	6.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	140	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	1200	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.77	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	3.7	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.8	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	2.8	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.92	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	370	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:02	JRG	PE-OP2	0.952	BWE1099
2	EPA-7471A	05/14/13	05/14/13 11:58	MEV	CETAC1	0.977	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00075	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.00063	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0050	0.00045	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0050	0.00031	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00085	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.099	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.099	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.099	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.099	0.0077	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.099	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.099	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	90.0	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	101	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/16/13 23:15	VH1	GC-14	9.934	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0022**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0027**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.014**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 01:44	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	1.9	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	58	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	1.9	0.23	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	1.9	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	1.9	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.7	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.9	0.84	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	1.9	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.9	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	1.9	0.60	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	1.9	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.7	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
Fluorene	**1.1**	**mg/kg**	**1.9**	**0.37**	**EPA-8270C**	ND	**J**	1
Heptachlor	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	1.9	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.9	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	**0.55**	**mg/kg**	**1.9**	**0.35**	**EPA-8270C**	ND	**J**	1
Naphthalene	**0.55**	**mg/kg**	**1.9**	**0.35**	**EPA-8270C**	ND	**J**	1
2-Naphthylamine	ND	mg/kg	58	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	1.9	0.29	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.9	0.72	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	1.9	0.41	EPA-8270C	ND		1
Phenanthrene	**1.0**	**mg/kg**	**1.9**	**0.35**	**EPA-8270C**	ND	**J**	1
Pyrene	**0.81**	**mg/kg**	**1.9**	**0.33**	**EPA-8270C**	ND	**J**	1
1,2,4-Trichlorobenzene	ND	mg/kg	1.9	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	1.9	0.68	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.7	0.23	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.7	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	1.9	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.64	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	1.9	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	52.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	59.4	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	61.2	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	67.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	47.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	83.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 19:03	SKC	MS-B2	19.481	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.46**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**39**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**20**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**45**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**81**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**130**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**650**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**620**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**530**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**110**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**160**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH (Total)	**2400**	**mg/kg**	**200**	**46**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	79.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 20:24	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 20:24	MWB	GC-13	19.608	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-04 | **Client Sample Name:** Gage Ave Landfill, T4-18, 5/8/2013 9:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.5	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	4.3	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	100	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.26	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.20	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	17	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.4	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	28	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	1100	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.072	mg/kg	0.16	0.025	EPA-7471A	ND	J	2
Molybdenum	0.62	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	14	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	4.1	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.45	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	110	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:03	JRG	PE-OP2	0.943	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:00	MEV	CETAC1	1.008	BWE1022

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00076	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0050	0.00063	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0050	0.00045	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0050	0.00031	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	156	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	80.0	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 00:31	VH1	GC-14	10	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0017**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0027**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0072**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0091**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
p-Isopropyltoluene	**0.0019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.032**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 02:10	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Aldrin	ND	mg/kg	7.8	1.9	EPA-8270C	ND		1
Aniline	ND	mg/kg	16	4.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Benzidine	ND	mg/kg	230	17	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	7.8	0.94	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	7.8	4.4	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	39	5.2	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	16	3.4	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	7.8	2.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	16	0.52	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	7.8	2.4	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	7.8	1.7	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	16	1.6	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	16	1.6	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Endrin	ND	mg/kg	16	1.9	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	39	1.7	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
Fluorene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	7.8	1.5	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	7.8	5.6	EPA-8270C	ND		1
Isophorone	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	230	12	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	16	1.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	16	1.9	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	7.8	2.9	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	7.8	1.6	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
Pyrene	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	7.8	1.4	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	16	1.7	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	7.8	2.7	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	39	0.94	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	39	0.60	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	7.8	1.3	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	16	2.6	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	16	1.0	EPA-8270C	ND		1
Phenol	ND	mg/kg	7.8	1.2	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	16	1.3	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	67.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	71.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	66.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	80.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	50.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	98.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 19:30	SKC	MS-B2	77.922	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.57**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**27**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**18**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**39**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**74**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**400**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**330**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**340**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**74**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**120**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH (Total)	**1500**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	87.1	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 20:54	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 20:46	MWB	GC-13	19.355	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-05 | **Client Sample Name:** Gage Ave Landfill, T5-5, 5/8/2013 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	9.2	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	5.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	180	mg/kg	0.50	0.18	EPA-6010B	0.21		1
Beryllium	0.28	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.3	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	72	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	170	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	1400	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.32	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.7	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	24	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.64	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.99	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	350	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:56	JRG	PE-OP2	0.990	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:06	MEV	CETAC1	0.992	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0098	0.00051	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0098	0.0027	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0098	0.0075	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0098	0.0015	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0098	0.0049	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.98	0.29	EPA-8080	ND	A10	1
4,4'-DDD	**0.16**	**mg/kg**	**0.0098**	**0.0012**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.0098	0.00088	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0098	0.00061	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0098	0.00063	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0098	0.0017	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0098	0.0013	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0098	0.0025	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0098	0.00069	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0098	0.0012	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0098	0.0051	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0098	0.0029	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0098	0.0025	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.98	0.15	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.20	0.053	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.20	0.098	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.20	0.032	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.20	0.015	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.20	0.043	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.20	0.098	EPA-8080	ND	A10	1
TCMX (Surrogate)	115	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	51.6	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 00:46	VH1	GC-14	19.608	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0026**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0026**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.016**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 02:36	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Aldrin	ND	mg/kg	8.0	1.9	EPA-8270C	ND		1
Aniline	ND	mg/kg	16	4.2	EPA-8270C	ND		1
Anthracene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Benzidine	ND	mg/kg	240	18	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	8.0	0.96	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	8.0	1.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	8.0	4.5	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	40	5.4	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	16	3.4	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	8.0	2.2	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	8.0	1.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	16	0.54	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	8.0	2.5	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	8.0	1.8	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	16	1.6	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	16	1.7	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
Endrin	ND	mg/kg	16	2.0	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	40	1.8	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Fluorene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	8.0	1.5	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	8.0	1.6	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	8.0	5.8	EPA-8270C	ND		1
Isophorone	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	240	13	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	16	1.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	16	2.0	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	8.0	1.2	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	8.0	3.0	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
Pyrene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	16	1.8	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	8.0	2.8	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	40	0.96	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	40	0.62	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	8.0	1.4	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	16	2.6	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	16	1.0	EPA-8270C	ND		1
Phenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	16	1.4	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	68.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	78.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	74.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	54.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	107	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 19:56	SKC	MS-B2	80	BWE1145

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.55**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	48	24	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	48	24	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**87**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**28**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**42**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C19 - C20	**50**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**73**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**260**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**250**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**330**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**86**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**170**	**mg/kg**	**48**	**24**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	48	24	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**480**	**110**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 21:25	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 14:18	MWB	GC-13	47.771	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-06 | **Client Sample Name:** Gage Ave Landfill, T5-10, 5/8/2013 9:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**9.4**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND		1
Arsenic	**5.4**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**150**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.24**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.81**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**23**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**7.0**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**71**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.058		1
Lead	**1000**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.54**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND		2
Molybdenum	**1.2**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**18**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**3.8**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.69**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	**1.1**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	ND	**J**	1
Vanadium	**28**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**310**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:06	JRG	PE-OP2	0.943	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:08	MEV	CETAC1	1.008	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0049	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0049	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0049	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0049	0.00074	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0049	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.49	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**0.12**	**mg/kg**	**0.0097**	**0.0012**	**EPA-8080**	ND		2
4,4'-DDE	ND	mg/kg	0.0049	0.00044	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0049	0.00030	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0049	0.00031	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0049	0.00084	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0049	0.00064	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0049	0.00034	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0049	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0049	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0049	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.49	0.072	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.097	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.097	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.097	0.0076	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.097	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
TCMX (Surrogate)	195	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	80.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 01:01	VH1	GC-14	9.740	BWE1140
2	EPA-8080	05/13/13	05/17/13 01:16	VH1	GC-14	19.481	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0030**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0012**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0035**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0014**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.014**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 02:25	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Aldrin	ND	mg/kg	1.9	0.46	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.8	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Benzidine	ND	mg/kg	57	4.2	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	1.9	0.23	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	1.9	0.28	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	1.9	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.5	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.8	0.82	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	1.9	0.51	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.9	0.28	EPA-8270C	ND		1
Chrysene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.8	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	1.9	0.59	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	1.9	0.42	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.8	0.38	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.8	0.40	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.8	0.47	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.5	0.42	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
Fluorene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	1.9	0.36	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	1.9	0.38	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.9	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	57	3.0	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.8	0.28	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.8	0.47	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	1.9	0.28	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.9	0.70	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	1.9	0.40	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
Pyrene	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	1.9	0.34	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.8	0.42	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	1.9	0.66	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.5	0.23	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.5	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	1.9	0.32	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.8	0.63	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.8	0.34	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.8	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	1.9	0.30	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.8	0.34	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.8	0.32	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	65.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	73.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	68.9	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	77.1	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	59.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	84.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 20:21	SKC	MS-B2	18.987	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.46**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**27**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**23**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**35**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**55**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**440**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**380**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**360**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**75**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**120**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH (Total)	**1600**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	89.4	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 21:55	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 21:54	MWB	GC-13	19.231	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-07 | **Client Sample Name:** Gage Ave Landfill, T5-15, 5/8/2013 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.3	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	7.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	0.21		1
Beryllium	0.30	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.7	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	8.2	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	76	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	410	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.23	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	0.97	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	4.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	2.9	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.90	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	180	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:07	JRG	PE-OP2	0.990	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:11	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	81.6	%	20 - 140 (LCL - UCL)		EPA-8080			1
Dibutyl chlorendate (Surrogate)	53.5	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 01:31	VH1	GC-14	1	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0033**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0024**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.012**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 03:01	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Aldrin	ND	mg/kg	1.0	0.24	EPA-8270C	ND		1
Aniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
Anthracene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Benzidine	ND	mg/kg	30	2.2	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	1.0	0.12	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	1.0	0.15	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	1.0	0.56	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	5.0	0.67	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	1.0	0.27	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	1.0	0.15	EPA-8270C	ND		1
Chrysene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	2.0	0.067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	1.0	0.31	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	1.0	0.22	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	2.0	0.20	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	2.0	0.21	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
Endrin	ND	mg/kg	2.0	0.25	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	5.0	0.22	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
Fluorene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	1.0	0.19	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	1.0	0.20	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.0	0.72	EPA-8270C	ND		1
Isophorone	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	30	1.6	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	2.0	0.15	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	2.0	0.25	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	1.0	0.15	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	1.0	0.37	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	1.0	0.21	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
Pyrene	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	1.0	0.18	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	2.0	0.22	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	1.0	0.35	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	5.0	0.12	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	5.0	0.077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	1.0	0.17	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	2.0	0.18	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	2.0	0.13	EPA-8270C	ND		1
Phenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	2.0	0.18	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	2.0	0.17	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	76.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	84.1	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	81.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	84.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	75.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	106	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 20:47	SKC	MS-B2	10.033	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.24**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	2.0	1.0	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	2.0	1.0	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**3.1**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**2.7**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**6.3**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**15**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**34**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**170**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**150**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**130**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**22**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**25**	**mg/kg**	**2.0**	**1.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	2.0	1.0	EPA-8015CC	ND	A01	2
TPH (Total)	**560**	**mg/kg**	**20**	**4.7**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	86.8	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 22:26	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 17:16	MWB	GC-13	2.013	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-08 | **Client Sample Name:** Gage Ave Landfill, T5-21, 5/8/2013 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**100**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.21**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.41**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND	**J**	1
Chromium	**16**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**6.0**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**200**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**100**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.12**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.63**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**12**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**4.1**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.33**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND	**J**	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**25**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**300**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:08	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:13	MEV	CETAC1	1.008	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.039	0.0021	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.039	0.011	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.039	0.030	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.039	0.0060	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.039	0.020	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	3.9	1.2	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.039	0.0050	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.039	0.0036	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.039	0.0024	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.039	0.0025	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.039	0.0068	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.039	0.0052	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.039	0.010	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.039	0.0028	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.039	0.0048	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.039	0.021	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.039	0.012	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.039	0.010	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	3.9	0.58	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.79	0.21	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.79	0.39	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.79	0.095	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.79	0.13	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.79	0.095	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.79	0.062	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.79	0.17	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.79	0.39	EPA-8080	ND	A10	1
TCMX (Surrogate)	99.4	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	58.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 01:46	VH1	GC-14	78.947	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0017**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	85.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 03:27	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	55	10	EPA-8270C	ND		1
Aldrin	ND	mg/kg	55	13	EPA-8270C	ND		1
Aniline	ND	mg/kg	110	29	EPA-8270C	ND		1
Anthracene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Benzidine	ND	mg/kg	1600	120	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	55	6.5	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	55	10	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	55	8.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	55	31	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	270	37	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	55	11	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	55	9.8	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	55	11	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	55	9.8	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	55	9.3	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	55	9.3	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	55	8.7	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	55	11	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	110	23	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	55	15	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	55	11	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	55	8.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	55	9.3	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	55	10	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	55	10	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	55	11	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	55	11	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	55	11	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	55	10	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	110	3.7	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	55	17	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	55	10	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	55	11	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	55	9.8	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	55	12	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	55	9.3	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	55	10	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	110	11	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	110	11	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	55	11	EPA-8270C	ND		1
Endrin	ND	mg/kg	110	14	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	270	12	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
Fluorene	ND	mg/kg	55	10	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	55	11	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	55	9.3	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	55	8.7	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	55	10	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	55	11	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	55	39	EPA-8270C	ND		1
Isophorone	ND	mg/kg	55	9.3	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	1600	87	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	55	9.8	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	110	8.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	110	14	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	55	8.2	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	55	20	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	55	11	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	55	11	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
Pyrene	ND	mg/kg	55	9.3	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	55	9.8	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	110	12	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	55	8.7	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	55	9.3	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	55	19	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	270	6.5	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	270	4.2	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	55	9.3	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	110	18	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	55	8.7	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	110	9.8	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	110	7.1	EPA-8270C	ND		1
Phenol	ND	mg/kg	55	8.7	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	110	9.8	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	110	9.3	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	62.7	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	61.8	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	78.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	26.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	86.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 21:13	SKC	MS-B2	545.45	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C12 - C14	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C15 - C16	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH - C17 - C18	**18**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C19 - C20	**39**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**26**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C23 - C28	**190**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**180**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**200**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**51**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**100**	**mg/kg**	**32**	**16**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	32	16	EPA-8015CC	ND	A01	2
TPH (Total)	**810**	**mg/kg**	**320**	**74**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	84.2	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	92.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 22:56	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 22:16	MWB	GC-13	31.579	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-09 | **Client Sample Name:** Gage Ave Landfill, T3-5, 5/8/2013 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	2.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	260	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.45	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	11	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	31	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.3	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	110	mg/kg	1.0	0.050	EPA-6010B	0.061		1
Lead	920	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.31	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	39	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	23	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	4.4	mg/kg	1.0	0.98	EPA-6010B	ND		3
Silver	1.5	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	27	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	680	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:40	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:15	MEV	CETAC1	1.008	BWE1022
3	EPA-6010B	05/14/13	05/15/13 13:39	JRG	PE-OP2	0.980	BWE1099

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0049	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0049	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0049	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0049	0.00074	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0049	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.49	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**14**	**mg/kg**	**0.97**	**0.12**	**EPA-8080**	ND		2
4,4'-DDE	**1.1**	**mg/kg**	**0.097**	**0.0088**	**EPA-8080**	ND		3
4,4'-DDT	**1.5**	**mg/kg**	**0.097**	**0.0060**	**EPA-8080**	ND		3
Dieldrin	**4.5**	**mg/kg**	**0.97**	**0.062**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0049	0.00084	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0049	0.00064	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Endrin	**0.31**	**mg/kg**	**0.097**	**0.0068**	**EPA-8080**	ND		3
Endrin aldehyde	ND	mg/kg	0.0049	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0049	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0049	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.49	0.072	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.097	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.097	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.097	0.0076	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.097	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.097	0.049	EPA-8080	ND	A10	1
TCMX (Surrogate)	116	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	159	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 02:02	VH1	GC-14	9.740	BWE1140
2	EPA-8080	05/13/13	05/17/13 02:32	VH1	GC-14	1948.1	BWE1140
3	EPA-8080	05/13/13	05/17/13 02:17	VH1	GC-14	194.81	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0030**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0022**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.0061**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0050**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0020**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.023**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 03:18	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	2.0	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	59	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	2.0	0.24	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	2.0	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.8	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**1.8**	**mg/kg**	**3.9**	**0.84**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDD	**5.6**	**mg/kg**	**2.0**	**0.33**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	2.0	0.61	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.8	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Fluorene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.0	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	59	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	2.0	0.73	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Pyrene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	2.0	0.69	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.8	0.24	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.8	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.65	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	62.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	66.1	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	64.1	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	65.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	59.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	85.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 21:39	SKC	MS-B2	19.608	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**1.3**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**37**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**19**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**39**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**77**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**400**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**290**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**290**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**63**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**100**	**mg/kg**	**19**	**9.7**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.7	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	78.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/14/13 23:27	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 22:39	MWB	GC-13	19.355	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-10 | **Client Sample Name:** Gage Ave Landfill, T3-10, 5/8/2013 11:05:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	8.1	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	0.19		1
Beryllium	0.38	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.5	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	31	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	21	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	70	mg/kg	1.0	0.050	EPA-6010B	0.057		1
Lead	440	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	1.0	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.8	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	19	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	2.9	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	1.5	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.89	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	33	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	210	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:10	JRG	PE-OP2	0.926	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:17	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0047	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0047	0.0013	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0047	0.0036	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0047	0.00072	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0047	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.47	0.14	EPA-8080	ND	A10	1
4,4'-DDD	**14**	**mg/kg**	**0.95**	**0.12**	**EPA-8080**	ND		2
4,4'-DDE	ND	mg/kg	0.0047	0.00043	EPA-8080	ND	A10	1
4,4'-DDT	**7.8**	**mg/kg**	**0.95**	**0.059**	**EPA-8080**	ND		2
Dieldrin	**3.2**	**mg/kg**	**0.95**	**0.061**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0047	0.00082	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0047	0.00063	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0047	0.00033	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0047	0.00058	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0047	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0047	0.0014	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.47	0.070	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.095	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.095	0.015	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.095	0.0074	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.095	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
TCMX (Surrogate)	77.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	393	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 02:47	VH1	GC-14	9.494	BWE1140
2	EPA-8080	05/13/13	05/17/13 04:18	VH1	GC-14	1898.7	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0015**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0019**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.0030**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0020**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0020**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.024**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0015**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.2	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 03:53	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Aldrin	ND	mg/kg	4.0	0.96	EPA-8270C	ND		1
Aniline	ND	mg/kg	8.0	2.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.8	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	4.0	0.48	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	4.0	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	20	2.7	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	4.0	1.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Chrysene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDD	**4.9**	**mg/kg**	**4.0**	**0.68**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDT	**1.2**	**mg/kg**	**4.0**	**0.76**	**EPA-8270C**	ND	**J**	1
Dibenzo[a,h]anthracene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	8.0	0.27	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	4.0	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	4.0	0.88	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	8.0	0.80	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	8.0	0.84	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Endrin	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	20	0.88	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Fluorene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	4.0	2.9	EPA-8270C	ND		1
Isophorone	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.4	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	8.0	0.60	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	4.0	1.5	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Pyrene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	8.0	0.88	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	4.0	1.4	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	20	0.48	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	20	0.31	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	8.0	0.52	EPA-8270C	ND		1
Phenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	8.0	0.68	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	42.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	47.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	46.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	31.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	67.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 22:05	SKC	MS-B2	40	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**37**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**18**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**41**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**72**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**120**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**370**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**270**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**290**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**72**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**140**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**200**	**47**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	103	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	110	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 02:30	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 23:01	MWB	GC-13	20	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-11 | **Client Sample Name:** Gage Ave Landfill, T3-15, 5/8/2013 11:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.66	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.5	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	180	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.34	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.53	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	74	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	130	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	340	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	450	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.18	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	3.0	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	27	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.3	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	20	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.5	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	34	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	140	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:11	JRG	PE-OP2	0.962	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:19	MEV	CETAC1	0.992	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0048	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0048	0.0013	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0048	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0048	0.00073	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0048	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.48	0.14	EPA-8080	ND	A10	1
4,4'-DDD	**28**	**mg/kg**	**0.96**	**0.12**	**EPA-8080**	ND		2
4,4'-DDE	ND	mg/kg	0.0048	0.00043	EPA-8080	ND	A10	1
4,4'-DDT	**4.9**	**mg/kg**	**0.96**	**0.060**	**EPA-8080**	ND		2
Dieldrin	**9.6**	**mg/kg**	**0.96**	**0.062**	**EPA-8080**	ND		2
Endosulfan I	ND	mg/kg	0.0048	0.00083	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0048	0.00063	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0048	0.0012	EPA-8080	ND	A10	1
Endrin	**0.59**	**mg/kg**	**0.096**	**0.0067**	**EPA-8080**	ND		3
Endrin aldehyde	ND	mg/kg	0.0048	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0048	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0048	0.0014	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0048	0.0012	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.48	0.071	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.096	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.096	0.048	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.096	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.096	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.096	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.096	0.0075	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.096	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.096	0.048	EPA-8080	ND	A10	1
TCMX (Surrogate)	97.3	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	493	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 04:34	VH1	GC-14	9.615	BWE1140
2	EPA-8080	05/13/13	05/17/13 05:04	VH1	GC-14	1923.1	BWE1140
3	EPA-8080	05/13/13	05/17/13 04:49	VH1	GC-14	192.31	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0054**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.011**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	**0.0023**	**mg/kg**	**0.0050**	**0.00081**	**EPA-8260B**	ND	**J**	1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0050**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0062**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.019**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0014**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0023**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	98.8	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 04:18	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Aldrin	ND	mg/kg	7.7	1.8	EPA-8270C	ND		1
Aniline	ND	mg/kg	15	4.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Benzidine	ND	mg/kg	230	17	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	7.7	0.92	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	7.7	4.3	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	38	5.2	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	15	3.3	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	7.7	2.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
Chrysene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
4,4'-DDD	**8.1**	**mg/kg**	**7.7**	**1.3**	**EPA-8270C**	ND		1
4,4'-DDE	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	15	0.52	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	7.7	2.4	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	7.7	1.7	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	15	1.5	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	15	1.6	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
Endrin	ND	mg/kg	15	1.9	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	38	1.7	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
Fluorene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	7.7	1.5	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	7.7	5.5	EPA-8270C	ND		1
Isophorone	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	230	12	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	15	1.2	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	15	1.9	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	7.7	2.8	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	7.7	1.6	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
Pyrene	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	7.7	1.4	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	15	1.7	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	7.7	2.7	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	38	0.92	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	38	0.59	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	15	2.5	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	15	1.4	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	15	1.0	EPA-8270C	ND		1
Phenol	ND	mg/kg	7.7	1.2	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	15	1.4	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	15	1.3	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	67.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	70.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	71.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	76.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	51.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	98.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 22:31	SKC	MS-B2	76.923	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.74**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**23**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**13**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**J,A01**	2
TPH - C17 - C18	**21**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**49**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**85**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**380**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**360**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**320**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**67**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**110**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH (Total)	**1400**	**mg/kg**	**200**	**46**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	80.9	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/16/13 10:37	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 23:24	MWB	GC-13	19.608	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-12 | **Client Sample Name:** Gage Ave Landfill, T3-20, 5/8/2013 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.57	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	10	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	190	mg/kg	0.50	0.18	EPA-6010B	0.19		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	20	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	28	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	24	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	200	mg/kg	1.0	0.050	EPA-6010B	0.057		1
Lead	380	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.26	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	2.1	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	20	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.5	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	7.2	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.0	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	28	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	570	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:17	JRG	PE-OP2	0.926	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:21	MEV	CETAC1	1.025	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	**0.022**	**mg/kg**	**0.0025**	**0.00032**	**EPA-8080**	ND		2
4,4'-DDE	**0.0063**	**mg/kg**	**0.00050**	**0.000045**	**EPA-8080**	ND		1
4,4'-DDT	**0.040**	**mg/kg**	**0.0025**	**0.00016**	**EPA-8080**	ND		2
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	**0.0084**	**mg/kg**	**0.0025**	**0.00018**	**EPA-8080**	ND		2
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	**0.47**	**mg/kg**	**0.10**	**0.022**	**EPA-8080**	ND	**A01**	3
Total PCB's (Summation)	**0.47**	**mg/kg**	**0.10**	**0.050**	**EPA-8080**	ND	**A01**	3
TCMX (Surrogate)	75.3	%	20 - 140 (LCL - UCL)		EPA-8080			1
Dibutyl chlorendate (Surrogate)	221	%	20 - 140 (LCL - UCL)		EPA-8080		S09	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 05:19	VH1	GC-14	1.007	BWE1140
2	EPA-8080	05/13/13	05/17/13 05:35	VH1	GC-14	5.034	BWE1140
3	EPA-8080	05/13/13	05/17/13 12:29	VH1	GC-17	10.067	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	82.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 04:44	ML	MS-V3	1	BWE0890

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	ND		1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.50	0.060	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	1.0	0.22	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	1.0	0.11	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	28.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	31.8	%	36 - 136 (LCL - UCL)		EPA-8270C		S09	1
Nitrobenzene-d5 (Surrogate)	30.8	%	31 - 135 (LCL - UCL)		EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	34.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	26.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	35.4	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 16:03	SKC	MS-B2	5.017	BWE1145

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C12 - C14	**1.8**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C15 - C16	**2.0**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C17 - C18	**6.0**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C21 - C22	**35**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C23 - C28	**170**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C29 - C32	**120**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C33 - C36	**75**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C37 - C40	**11**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C41 - C43	**11**	**mg/kg**	**1.0**	**0.50**	**EPA-8015CC**	ND		2
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH (Total)	**440**	**mg/kg**	**10**	**2.3**	**EPA-8015CC**	ND		2
Tetracosane (Surrogate)	58.1	%	20 - 145 (LCL - UCL)		EPA-8015CC			2
a,a,a-Trifluorotoluene (FID Surrogate)	100	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 03:31	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/15/13 23:46	MWB	GC-13	1	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-13 | **Client Sample Name:** Gage Ave Landfill, T2-5, 5/8/2013 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	0.56	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.9	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.37	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.75	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	26	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	9.9	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	470	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	79	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.18	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.1	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	26	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.1	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.12	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	41	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	260	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:19	JRG	PE-OP2	0.971	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:23	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00013	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00070	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.0019	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00038	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.0012	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.075	EPA-8080	ND	A10	1
4,4'-DDD	**0.013**	**mg/kg**	**0.0025**	**0.00032**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.0025	0.00022	EPA-8080	ND	A10	1
4,4'-DDT	**0.0052**	**mg/kg**	**0.0025**	**0.00016**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.0025	0.00016	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00043	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00033	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00018	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.00030	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.0013	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.00075	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.037	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.050	0.014	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.050	0.0081	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.050	0.0039	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.050	0.011	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
TCMX (Surrogate)	85.6	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	43.3	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 06:05	VH1	GC-14	5.068	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0023**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 05:10	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Aldrin	ND	mg/kg	3.0	0.72	EPA-8270C	ND		1
Aniline	ND	mg/kg	6.0	1.6	EPA-8270C	ND		1
Anthracene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Benzidine	ND	mg/kg	90	6.6	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	3.0	0.36	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	3.0	0.45	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	3.0	1.7	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	15	2.0	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	6.0	1.3	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	3.0	0.81	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	3.0	0.45	EPA-8270C	ND		1
Chrysene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	6.0	0.20	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	3.0	0.93	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	3.0	0.66	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	6.0	0.60	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	6.0	0.63	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
Endrin	ND	mg/kg	6.0	0.75	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	15	0.66	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
Fluorene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	3.0	0.57	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	3.0	0.60	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	3.0	2.2	EPA-8270C	ND		1
Isophorone	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	90	4.8	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	6.0	0.45	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	6.0	0.75	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	3.0	0.45	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	3.0	1.1	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	3.0	0.63	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
Pyrene	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	3.0	0.54	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	6.0	0.66	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	3.0	1.0	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	15	0.36	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	15	0.23	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	3.0	0.51	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	6.0	0.99	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	6.0	0.54	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	6.0	0.39	EPA-8270C	ND		1
Phenol	ND	mg/kg	3.0	0.48	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	6.0	0.54	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	6.0	0.51	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	55.1	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	59.6	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	61.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	59.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	40.9	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	78.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 22:58	SKC	MS-B2	29.900	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**20**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**26**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**48**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**84**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**96**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**220**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**130**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**110**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**23**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	2
TPH (Total)	**760**	**mg/kg**	**100**	**23**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	105	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	90.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 04:02	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 00:09	MWB	GC-13	10.101	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-14 | **Client Sample Name:** Gage Ave Landfill, T2-10, 5/8/2013 1:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.5	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	6.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	180	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.30	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	4.8	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	35	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	8.1	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	430	mg/kg	1.0	0.050	EPA-6010B	0.059		1
Lead	150	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.29	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.9	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	28	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.4	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.27	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.2	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	1500	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:00	JRG	PE-OP2	0.952	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:26	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0049	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0049	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0049	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0049	0.00075	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0049	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.49	0.15	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0049	0.00062	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0049	0.00044	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0049	0.00031	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0049	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0049	0.00085	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0049	0.00065	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0049	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0049	0.00060	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0049	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0049	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0049	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.49	0.073	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.099	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.099	0.049	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.099	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.099	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.099	0.0077	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.099	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.099	0.049	EPA-8080	ND	A10	1
TCMX (Surrogate)	104	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	104	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 06:20	VH1	GC-14	9.868	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0015**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0026**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0070**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0016**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.0043**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.017**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0042**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 05:36	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Aldrin	ND	mg/kg	2.0	0.47	EPA-8270C	ND		1
Aniline	ND	mg/kg	3.9	1.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzidine	ND	mg/kg	59	4.3	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	2.0	0.24	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	2.0	1.1	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	9.8	1.3	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.9	0.84	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	2.0	0.53	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1
Chrysene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	3.9	0.13	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	2.0	0.61	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	2.0	0.43	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	3.9	0.39	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	3.9	0.41	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Endrin	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	9.8	0.43	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Fluorene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	2.0	0.37	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	2.0	0.39	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.0	1.4	EPA-8270C	ND		1
Isophorone	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	59	3.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	3.9	0.29	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	3.9	0.49	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	2.0	0.29	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	2.0	0.73	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	2.0	0.41	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
Pyrene	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	2.0	0.35	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	3.9	0.43	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	2.0	0.69	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	9.8	0.24	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	9.8	0.15	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	2.0	0.33	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	3.9	0.65	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	3.9	0.25	EPA-8270C	ND		1
Phenol	ND	mg/kg	2.0	0.31	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	3.9	0.35	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	3.9	0.33	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	76.1	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	83.7	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	86.6	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	90.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	74.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	90.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 23:24	SKC	MS-B2	19.608	BWE1145

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**1.0**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**60**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**75**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**160**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**240**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**330**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**1500**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**820**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**440**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**71**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**90**	**mg/kg**	**19**	**9.6**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	19	9.6	EPA-8015CC	ND	A01	2
TPH (Total)	**3800**	**mg/kg**	**190**	**45**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	82.8	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	82.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 04:32	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 13:28	MWB	GC-13	19.108	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-15 | **Client Sample Name:** Gage Ave Landfill, T2-15, 5/8/2013 1:18:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	3.0	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.5	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	160	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.31	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	0.54	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	25	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	8.6	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	74	mg/kg	1.0	0.050	EPA-6010B	0.058		1
Lead	100	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.17	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	4.0	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	22	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.067	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	1.4	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	36	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	630	mg/kg	2.5	0.087	EPA-6010B	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:01	JRG	PE-OP2	0.935	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:32	MEV	CETAC1	0.962	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0025	0.00013	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0025	0.00070	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0025	0.0019	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0025	0.00038	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.0012	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.25	0.075	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.0025	0.00032	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.0025	0.00022	EPA-8080	ND	A10	1
4,4'-DDT	ND	mg/kg	0.0025	0.00016	EPA-8080	ND	A10	1
Dieldrin	ND	mg/kg	0.0025	0.00016	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0025	0.00043	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0025	0.00033	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0025	0.00018	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0025	0.00030	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0025	0.0013	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0025	0.00075	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0025	0.00065	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.25	0.037	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.050	0.014	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.050	0.0081	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.050	0.0060	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.050	0.0039	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.050	0.011	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.050	0.025	EPA-8080	ND	A10	1
TCMX (Surrogate)	109	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	70.7	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 07:36	VH1	GC-14	5.051	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.5	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/11/13 06:02	ML	MS-V3	1	BWE0890

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	74.7	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	81.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	73.9	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	72.0	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	58.1	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	85.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 17:20	SKC	MS-B2	0.974	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		2
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		2
Tetracosane (Surrogate)	77.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			2
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 05:03	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 08:29	MWB	GC-13	1.014	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-17 | **Client Sample Name:** Gage Ave Landfill, T2-23, 5/8/2013 1:42:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.37**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**1.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**43**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.13**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**7.8**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**4.0**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**8.4**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**1.8**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND	**J**	1
Mercury	**0.026**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.21**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**6.3**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**2.8**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**19**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**24**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:23	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:34	MEV	CETAC1	1.008	BWE1022

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.010	0.00052	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.010	0.0028	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.010	0.0076	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.010	0.0015	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.010	0.0050	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	1.0	0.30	EPA-8080	ND	A10	1
4,4'-DDD	ND	mg/kg	0.010	0.0013	EPA-8080	ND	A10	1
4,4'-DDE	ND	mg/kg	0.010	0.00090	EPA-8080	ND	A10	1
4,4'-DDT	**0.14**	**mg/kg**	**0.010**	**0.00062**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.010	0.00064	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.010	0.0017	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.010	0.0013	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.010	0.0026	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.010	0.00070	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.010	0.0012	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.010	0.0052	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.010	0.0030	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.010	0.0026	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	1.0	0.15	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.20	0.054	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.20	0.10	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.20	0.032	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.20	0.024	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.20	0.016	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.20	0.044	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.20	0.10	EPA-8080	ND	A10	1
TCMX (Surrogate)	165	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1
Dibutyl chlorendate (Surrogate)	208	%	20 - 140 (LCL - UCL)		EPA-8080		A10,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 07:51	VH1	GC-14	20	BWE1140

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0067**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0075**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.019**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	**0.0021**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND	**J**	1
1,4-Dichlorobenzene	**0.013**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.027**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0057**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
p-Isopropyltoluene	**0.033**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.057**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0079**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0019**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.045**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**0.020**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	**0.013**	**mg/kg**	**0.010**	**0.0034**	**EPA-8260B**	ND		1
p- & m-Xylenes	**0.0073**	**mg/kg**	**0.0050**	**0.0022**	**EPA-8260B**	ND		1
o-Xylene	**0.0058**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	77.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 03:44	ML	MS-V3	1	BWE0890

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Aldrin	ND	mg/kg	5.7	1.4	EPA-8270C	ND		1
Aniline	ND	mg/kg	11	3.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Benzidine	ND	mg/kg	170	13	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	5.7	0.68	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	5.7	0.85	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	5.7	3.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	28	3.8	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**11**	**mg/kg**	**11**	**2.4**	**EPA-8270C**	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	5.7	1.5	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	5.7	0.85	EPA-8270C	ND		1
Chrysene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	11	0.38	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	5.7	1.8	EPA-8270C	ND		1
Diethyl phthalate	**8.1**	**mg/kg**	**5.7**	**1.1**	**EPA-8270C**	ND		1
Dimethyl phthalate	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	5.7	1.3	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	11	1.1	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	11	1.2	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
Endrin	ND	mg/kg	11	1.4	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	28	1.3	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
Fluorene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	5.7	1.1	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	5.7	4.1	EPA-8270C	ND		1
Isophorone	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	170	9.1	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	11	0.85	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	11	1.4	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	5.7	0.85	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	5.7	2.1	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	5.7	1.2	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
Pyrene	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	5.7	1.0	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	11	1.3	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	5.7	2.0	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	28	0.68	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	28	0.44	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	5.7	0.97	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	11	1.9	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	11	1.0	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	11	0.74	EPA-8270C	ND		1
Phenol	ND	mg/kg	5.7	0.91	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	11	1.0	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	11	0.97	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	39.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	43.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	51.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	52.1	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	36.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	53.3	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/16/13 23:49	SKC	MS-B2	56.962	BWE1145

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**39**	**mg/kg**	**5.0**	**0.50**	**Luft**	ND	**A01**	1
TPH - C8 - C9	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**290**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**150**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**240**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**410**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**730**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**3300**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**2000**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**1100**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**180**	**mg/kg**	**96**	**48**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH - C44 plus	ND	mg/kg	96	48	EPA-8015CC	ND	A01	2
TPH (Total)	**8500**	**mg/kg**	**960**	**220**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	85.0	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 10:36	JJH	GC-V8	5	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 09:59	MWB	GC-13	95.541	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-18 | **Client Sample Name:** Gage Ave Landfill, T1-5, 5/8/2013 2:22:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.89**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**23**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**340**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.19		1
Beryllium	**0.20**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**8.8**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**170**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**26**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**3300**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.057		1
Lead	**550**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**1.2**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND		2
Molybdenum	**28**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND		1
Nickel	**56**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**5.9**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**2.6**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**45**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**2500**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.20		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:12	JRG	PE-OP2	0.926	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:37	MEV	CETAC1	0.977	BWE1022

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0047	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0047	0.0013	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0047	0.0036	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0047	0.00072	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0047	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.47	0.14	EPA-8080	ND	A10	1
4,4'-DDD	**0.27**	**mg/kg**	**0.024**	**0.0030**	**EPA-8080**	ND		2
4,4'-DDE	**0.19**	**mg/kg**	**0.024**	**0.0021**	**EPA-8080**	ND		2
4,4'-DDT	**0.077**	**mg/kg**	**0.024**	**0.0015**	**EPA-8080**	ND		2
Dieldrin	ND	mg/kg	0.0047	0.00030	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0047	0.00082	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0047	0.00063	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Endrin	**0.057**	**mg/kg**	**0.0047**	**0.00033**	**EPA-8080**	ND	**A10**	1
Endrin aldehyde	ND	mg/kg	0.0047	0.00058	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0047	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0047	0.0014	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0047	0.0012	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.47	0.070	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.095	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.095	0.015	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.095	0.011	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.095	0.0074	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.095	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.095	0.047	EPA-8080	ND	A10	1
TCMX (Surrogate)	85.8	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	115	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 08:22	VH1	GC-14	9.494	BWE1140
2	EPA-8080	05/13/13	05/17/13 08:37	VH1	GC-14	47.468	BWE1140

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0025**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.017**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.013**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0059**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0023**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.016**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.025**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.013**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**0.0068**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	**0.0045**	**mg/kg**	**0.010**	**0.0034**	**EPA-8260B**	ND	**J**	1
p- & m-Xylenes	**0.0028**	**mg/kg**	**0.0050**	**0.0022**	**EPA-8260B**	ND	**J**	1
o-Xylene	**0.0017**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 15:40	ML	MS-V3	1	BWE0890

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Aldrin	ND	mg/kg	5.9	1.4	EPA-8270C	ND		1
Aniline	ND	mg/kg	12	3.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzidine	ND	mg/kg	180	13	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	5.9	0.71	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	5.9	0.89	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	5.9	3.3	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	30	4.0	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**3.8**	**mg/kg**	**12**	**2.5**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	5.9	1.6	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	5.9	0.89	EPA-8270C	ND		1
Chrysene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	12	0.40	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	5.9	1.8	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	5.9	1.3	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	12	1.2	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	12	1.2	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Endrin	ND	mg/kg	12	1.5	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	30	1.3	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
Fluorene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	5.9	4.3	EPA-8270C	ND		1
Isophorone	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	180	9.5	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	12	0.89	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	12	1.5	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	5.9	0.89	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	5.9	2.2	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	5.9	1.2	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
Pyrene	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	5.9	1.1	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	12	1.3	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	5.9	2.1	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	30	0.71	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	30	0.46	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	5.9	1.0	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	12	2.0	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	12	1.1	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	12	0.77	EPA-8270C	ND		1
Phenol	ND	mg/kg	5.9	0.95	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	12	1.1	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	12	1.0	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	52.5	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	58.9	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	54.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	66.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	45.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	88.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/17/13 00:15	SKC	MS-B2	59.211	BWE1145

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**3.9**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C12 - C14	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C15 - C16	**280**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**120**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**410**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**380**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**1300**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**810**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**600**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**120**	**mg/kg**	**20**	**9.8**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH - C44 plus	ND	mg/kg	20	9.8	EPA-8015CC	ND	A01	2
TPH (Total)	**4100**	**mg/kg**	**200**	**46**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	72.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	2
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 06:04	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 01:17	MWB	GC-13	19.608	BWE1160

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-19 | **Client Sample Name:** Gage Ave Landfill, T1-10, 5/8/2013 2:34:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	4.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	9.4	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	200	mg/kg	0.50	0.18	EPA-6010B	0.20		1
Beryllium	0.28	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	2.2	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	27	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	12	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	460	mg/kg	1.0	0.050	EPA-6010B	0.060		1
Lead	380	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.98	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	5.1	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	26	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.3	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	12	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	0.66	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	23	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	520	mg/kg	2.5	0.087	EPA-6010B	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:25	JRG	PE-OP2	0.971	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:39	MEV	CETAC1	0.992	BWE1022

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0048	0.00025	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0048	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0048	0.0037	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0048	0.00074	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0048	0.0024	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.48	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**0.12**	**mg/kg**	**0.048**	**0.0061**	**EPA-8080**	ND		2
4,4'-DDE	**0.18**	**mg/kg**	**0.048**	**0.0044**	**EPA-8080**	ND		2
4,4'-DDT	**0.030**	**mg/kg**	**0.0048**	**0.00030**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.0048	0.00031	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0048	0.00083	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0048	0.00064	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0048	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0048	0.00034	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0048	0.00059	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0048	0.0025	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0048	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0048	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.48	0.072	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.097	0.026	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.097	0.048	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.097	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.097	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.097	0.0075	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.097	0.021	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.097	0.048	EPA-8080	ND	A10	1
TCMX (Surrogate)	84.2	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	57.2	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 08:52	VH1	GC-14	9.677	BWE1140
2	EPA-8080	05/13/13	05/17/13 09:07	VH1	GC-14	96.774	BWE1140

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0082**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	**0.0036**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	**0.035**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	**0.0048**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND	**J**	1
1,4-Dichlorobenzene	**0.023**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0033**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
p-Isopropyltoluene	**0.0038**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.020**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND		1
n-Propylbenzene	**0.0038**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	**0.0014**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**0.0041**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 02:51	ML	MS-V3	1	BWE0890

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Aldrin	ND	mg/kg	3.8	0.92	EPA-8270C	ND		1
Aniline	ND	mg/kg	7.7	2.0	EPA-8270C	ND		1
Anthracene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.5	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	3.8	0.46	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	3.8	0.58	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	3.8	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	19	2.6	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	**5.7**	**mg/kg**	**7.7**	**1.7**	**EPA-8270C**	ND	**J**	1
4-Bromophenyl phenyl ether	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	3.8	1.0	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	3.8	0.58	EPA-8270C	ND		1
Chrysene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	7.7	0.26	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	3.8	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	3.8	0.85	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	7.7	0.77	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	7.7	0.81	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
Endrin	ND	mg/kg	7.7	0.96	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	19	0.85	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
Fluorene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	3.8	0.73	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	3.8	0.77	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	3.8	2.8	EPA-8270C	ND		1
Isophorone	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.2	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	7.7	0.58	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	7.7	0.96	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	3.8	0.58	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	3.8	1.4	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	3.8	0.81	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
Pyrene	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	3.8	0.69	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	7.7	0.85	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	3.8	1.3	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	19	0.46	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	19	0.30	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	3.8	0.65	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	7.7	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	7.7	0.69	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	7.7	0.50	EPA-8270C	ND		1
Phenol	ND	mg/kg	3.8	0.62	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	7.7	0.69	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	7.7	0.65	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	45.2	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	48.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	48.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	53.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	36.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	76.5	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/17/13 00:40	SKC	MS-B2	38.462	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**1.4**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND		1
TPH - C8 - C9	ND	mg/kg	40	20	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	40	20	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**97**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**58**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**110**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**190**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**310**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**1100**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**920**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**900**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**170**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**250**	**mg/kg**	**40**	**20**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	40	20	EPA-8015CC	ND	A01	2
TPH (Total)	**4100**	**mg/kg**	**400**	**93**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	72.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 06:34	JJH	GC-V8	1	BWE1154
2	EPA-8015CC	05/13/13	05/16/13 10:21	MWB	GC-13	40	BWE1160

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-20 | **Client Sample Name:** Gage Ave Landfill, T1-15, 5/8/2013 2:43:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.35**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**5.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**180**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.20		1
Beryllium	**0.32**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**1.3**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**25**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**9.6**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**81**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**200**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.50**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND		2
Molybdenum	**1.3**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**21**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**3.1**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.85**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**28**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**250**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 13:26	JRG	PE-OP2	0.980	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:41	MEV	CETAC1	1.025	BWE1022

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A10	1
alpha-BHC	ND	mg/kg	0.0050	0.0014	EPA-8080	ND	A10	1
beta-BHC	ND	mg/kg	0.0050	0.0038	EPA-8080	ND	A10	1
delta-BHC	ND	mg/kg	0.0050	0.00076	EPA-8080	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.0050	0.0025	EPA-8080	ND	A10	1
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A10	1
4,4'-DDD	**0.039**	**mg/kg**	**0.0050**	**0.00063**	**EPA-8080**	ND	**A10**	1
4,4'-DDE	ND	mg/kg	0.0050	0.00045	EPA-8080	ND	A10	1
4,4'-DDT	**0.012**	**mg/kg**	**0.0050**	**0.00031**	**EPA-8080**	ND	**A10**	1
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A10	1
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Endrin	ND	mg/kg	0.0050	0.00035	EPA-8080	ND	A10	1
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A10	1
TCMX (Surrogate)	99.1	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1
Dibutyl chlorendate (Surrogate)	59.9	%	20 - 140 (LCL - UCL)		EPA-8080		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	05/13/13	05/17/13 09:23	VH1	GC-14	10.169	BWE1140

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND	V01	1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.3	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	05/10/13	05/14/13 16:22	ML	MS-V3	1	BWE1014

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Aldrin	ND	mg/kg	4.0	0.96	EPA-8270C	ND		1
Aniline	ND	mg/kg	8.0	2.1	EPA-8270C	ND		1
Anthracene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzidine	ND	mg/kg	120	8.8	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	4.0	0.48	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	4.0	2.2	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	20	2.7	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	8.0	1.7	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	4.0	1.1	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1
Chrysene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	8.0	0.27	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	4.0	1.2	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	4.0	0.88	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	8.0	0.80	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	8.0	0.84	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Endrin	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	20	0.88	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Fluorene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	4.0	0.76	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	4.0	0.80	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	4.0	2.9	EPA-8270C	ND		1
Isophorone	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	120	6.4	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	8.0	0.60	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	8.0	1.0	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	4.0	0.60	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	4.0	1.5	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	4.0	0.84	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
Pyrene	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	4.0	0.72	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	8.0	0.88	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	4.0	1.4	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	20	0.48	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	20	0.31	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	4.0	0.68	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	8.0	1.3	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	8.0	0.52	EPA-8270C	ND		1
Phenol	ND	mg/kg	4.0	0.64	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	8.0	0.72	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	8.0	0.68	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	63.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	68.5	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	72.0	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	67.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	46.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	92.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	05/13/13	05/17/13 01:05	SKC	MS-B2	40	BWE1145

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.98**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
TPH - C8 - C9	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C10 - C11	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH - C12 - C14	**50**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C15 - C16	**31**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C17 - C18	**51**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C19 - C20	**83**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C21 - C22	**140**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C23 - C28	**470**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C29 - C32	**380**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C33 - C36	**350**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C37 - C40	**71**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C41 - C43	**100**	**mg/kg**	**20**	**10**	**EPA-8015CC**	ND	**A01**	2
TPH - C44 plus	ND	mg/kg	20	10	EPA-8015CC	ND	A01	2
TPH (Total)	**1700**	**mg/kg**	**200**	**47**	**EPA-8015CC**	ND	**A01**	2
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01,A17	2
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	05/14/13	05/15/13 07:04	JJH	GC-V8	1	BWE1156
2	EPA-8015CC	05/13/13	05/16/13 10:44	MWB	GC-13	19.868	BWE1160

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

BCL Sample ID: 1309783-21 | **Client Sample Name:** Gage Ave Landfill, T1-20, 5/8/2013 2:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**6.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**140**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.21		1
Beryllium	**0.24**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**1.8**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**7.6**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**140**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.061		1
Lead	**150**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**1.8**	**mg/kg**	**0.32**	**0.050**	**EPA-7471A**	ND	**A01**	2
Molybdenum	**1.3**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**19**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**3.8**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.70**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**28**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**500**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.21		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	05/14/13	05/15/13 14:10	JRG	PE-OP2	0.990	BWE1099
2	EPA-7471A	05/14/13	05/14/13 12:50	MEV	CETAC1	1.923	BWE1022

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1140						
Aldrin	BWE1140-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BWE1140-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BWE1140-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BWE1140-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BWE1140-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BWE1140-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BWE1140-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BWE1140-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BWE1140-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BWE1140-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BWE1140-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BWE1140-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BWE1140-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BWE1140-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BWE1140-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BWE1140-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BWE1140-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BWE1140-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BWE1140-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BWE1140-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BWE1140-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BWE1140-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BWE1140-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BWE1140-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BWE1140-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BWE1140-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BWE1140-BLK1	ND	mg/kg	0.010	0.0050	
TCMX (Surrogate)	BWE1140-BLK1	101	%	20 - 140 (LCL - UCL)		
Dibutyl chlorendate (Surrogate)	BWE1140-BLK1	87.3	%	20 - 140 (LCL - UCL)		

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Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1140										
Aldrin	BWE1140-BS1	LCS	0.0066892	0.0050505	mg/kg	132		70 - 130		L21
gamma-BHC (Lindane)	BWE1140-BS1	LCS	0.0051448	0.0050505	mg/kg	102		60 - 140		
4,4'-DDT	BWE1140-BS1	LCS	0.0076953	0.0050505	mg/kg	152		60 - 140		L21
Dieldrin	BWE1140-BS1	LCS	0.0063896	0.0050505	mg/kg	127		70 - 130		
Endrin	BWE1140-BS1	LCS	0.0068613	0.0050505	mg/kg	136		60 - 140		
Heptachlor	BWE1140-BS1	LCS	0.0069670	0.0050505	mg/kg	138		70 - 130		L21
TCMX (Surrogate)	BWE1140-BS1	LCS	0.010437	0.010101	mg/kg	103		20 - 140		
Dibutyl chlorendate (Surrogate)	BWE1140-BS1	LCS	0.028845	0.025253	mg/kg	114		20 - 140		

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Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1140	Used client sample: Y - Description: T2-23, 05/08/2013 13:42										
Aldrin	MS	1309783-17	ND	0.0064007	0.0049834	mg/kg		128		30 - 140	
	MSD	1309783-17	ND	0.0070946	0.0050167	mg/kg	10.3	141	30	30 - 140	Q03
gamma-BHC (Lindane)	MS	1309783-17	ND	0.0063475	0.0049834	mg/kg		127		30 - 140	
	MSD	1309783-17	ND	0.0068625	0.0050167	mg/kg	7.8	137	30	30 - 140	
4,4'-DDT	MS	1309783-17	ND	0.010877	0.0049834	mg/kg		218		30 - 140	Q03
	MSD	1309783-17	ND	0.0097502	0.0050167	mg/kg	10.9	194	30	30 - 140	Q03
Dieldrin	MS	1309783-17	ND	0.0062914	0.0049834	mg/kg		126		40 - 140	
	MSD	1309783-17	ND	0.0062294	0.0050167	mg/kg	1.0	124	30	40 - 140	
Endrin	MS	1309783-17	ND	0.0078352	0.0049834	mg/kg		157		30 - 150	Q03
	MSD	1309783-17	ND	0.0074666	0.0050167	mg/kg	4.8	149	30	30 - 150	
Heptachlor	MS	1309783-17	ND	0.0059920	0.0049834	mg/kg		120		40 - 140	
	MSD	1309783-17	ND	0.0065355	0.0050167	mg/kg	8.7	130	30	40 - 140	
TCMX (Surrogate)	MS	1309783-17	ND	0.015490	0.0099668	mg/kg		155		20 - 140	Q03
	MSD	1309783-17	ND	0.010892	0.010033	mg/kg	34.9	109		20 - 140	
Dibutyl chlorendate (Surrogate)	MS	1309783-17	ND	0.029900	0.024917	mg/kg		120		20 - 140	
	MSD	1309783-17	ND	0.030267	0.025084	mg/kg	1.2	121		20 - 140	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE0890						
Benzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BWE0890-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE0890						
trans-1,3-Dichloropropene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BWE0890-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BWE0890-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BWE0890-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BWE0890-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BWE0890-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BWE0890-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BWE0890-BLK1	95.4	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWE0890-BLK1	98.7	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWE0890-BLK1	89.8	%	74 - 121 (LCL - UCL)		
QC Batch ID: BWE1014						
Benzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1014						
Bromobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BWE1014-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1014						
Ethylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BWE1014-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BWE1014-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BWE1014-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BWE1014-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BWE1014-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BWE1014-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	BWE1014-BLK1	95.6	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BWE1014-BLK1	97.2	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BWE1014-BLK1	85.7	%	74 - 121 (LCL - UCL)		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE0890										
Benzene	BWE0890-BS1	LCS	0.12231	0.12500	mg/kg	97.8		70 - 130		
Bromodichloromethane	BWE0890-BS1	LCS	0.11536	0.12500	mg/kg	92.3		70 - 130		
Chlorobenzene	BWE0890-BS1	LCS	0.12512	0.12500	mg/kg	100		70 - 130		
Chloroethane	BWE0890-BS1	LCS	0.11989	0.12500	mg/kg	95.9		70 - 130		
1,4-Dichlorobenzene	BWE0890-BS1	LCS	0.12525	0.12500	mg/kg	100		70 - 130		
1,1-Dichloroethane	BWE0890-BS1	LCS	0.12464	0.12500	mg/kg	99.7		70 - 130		
1,1-Dichloroethene	BWE0890-BS1	LCS	0.12054	0.12500	mg/kg	96.4		70 - 130		
Toluene	BWE0890-BS1	LCS	0.12599	0.12500	mg/kg	101		70 - 130		
Trichloroethene	BWE0890-BS1	LCS	0.12128	0.12500	mg/kg	97.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWE0890-BS1	LCS	0.045600	0.050000	mg/kg	91.2		70 - 121		
Toluene-d8 (Surrogate)	BWE0890-BS1	LCS	0.049180	0.050000	mg/kg	98.4		81 - 117		
4-Bromofluorobenzene (Surrogate)	BWE0890-BS1	LCS	0.048540	0.050000	mg/kg	97.1		74 - 121		
QC Batch ID: BWE1014										
Benzene	BWE1014-BS1	LCS	0.11224	0.12500	mg/kg	89.8		70 - 130		
Bromodichloromethane	BWE1014-BS1	LCS	0.10736	0.12500	mg/kg	85.9		70 - 130		
Chlorobenzene	BWE1014-BS1	LCS	0.11574	0.12500	mg/kg	92.6		70 - 130		
Chloroethane	BWE1014-BS1	LCS	0.10353	0.12500	mg/kg	82.8		70 - 130		
1,4-Dichlorobenzene	BWE1014-BS1	LCS	0.11777	0.12500	mg/kg	94.2		70 - 130		
1,1-Dichloroethane	BWE1014-BS1	LCS	0.11328	0.12500	mg/kg	90.6		70 - 130		
1,1-Dichloroethene	BWE1014-BS1	LCS	0.11445	0.12500	mg/kg	91.6		70 - 130		
Toluene	BWE1014-BS1	LCS	0.11789	0.12500	mg/kg	94.3		70 - 130		
Trichloroethene	BWE1014-BS1	LCS	0.11590	0.12500	mg/kg	92.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BWE1014-BS1	LCS	0.049810	0.050000	mg/kg	99.6		70 - 121		
Toluene-d8 (Surrogate)	BWE1014-BS1	LCS	0.049700	0.050000	mg/kg	99.4		81 - 117		
4-Bromofluorobenzene (Surrogate)	BWE1014-BS1	LCS	0.049630	0.050000	mg/kg	99.3		74 - 121		

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123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE0890	Used client sample: N										
Benzene	MS	1308130-65	ND	0.13293	0.12500	mg/kg		106		70 - 130	
	MSD	1308130-65	ND	0.12147	0.12500	mg/kg	9.0	97.2	20	70 - 130	
Bromodichloromethane	MS	1308130-65	ND	0.11962	0.12500	mg/kg		95.7		70 - 130	
	MSD	1308130-65	ND	0.11232	0.12500	mg/kg	6.3	89.9	20	70 - 130	
Chlorobenzene	MS	1308130-65	ND	0.12979	0.12500	mg/kg		104		70 - 130	
	MSD	1308130-65	ND	0.11695	0.12500	mg/kg	10.4	93.6	20	70 - 130	
Chloroethane	MS	1308130-65	ND	0.14165	0.12500	mg/kg		113		70 - 130	
	MSD	1308130-65	ND	0.11767	0.12500	mg/kg	18.5	94.1	20	70 - 130	
1,4-Dichlorobenzene	MS	1308130-65	ND	0.12548	0.12500	mg/kg		100		70 - 130	
	MSD	1308130-65	ND	0.11598	0.12500	mg/kg	7.9	92.8	20	70 - 130	
1,1-Dichloroethane	MS	1308130-65	ND	0.13203	0.12500	mg/kg		106		70 - 130	
	MSD	1308130-65	ND	0.12217	0.12500	mg/kg	7.8	97.7	20	70 - 130	
1,1-Dichloroethene	MS	1308130-65	ND	0.13699	0.12500	mg/kg		110		70 - 130	
	MSD	1308130-65	ND	0.12037	0.12500	mg/kg	12.9	96.3	20	70 - 130	
Toluene	MS	1308130-65	ND	0.13359	0.12500	mg/kg		107		70 - 130	
	MSD	1308130-65	ND	0.12090	0.12500	mg/kg	10.0	96.7	20	70 - 130	
Trichloroethene	MS	1308130-65	ND	0.13540	0.12500	mg/kg		108		70 - 130	
	MSD	1308130-65	ND	0.11618	0.12500	mg/kg	15.3	92.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1308130-65	ND	0.046860	0.050000	mg/kg		93.7		70 - 121	
	MSD	1308130-65	ND	0.050320	0.050000	mg/kg	7.1	101		70 - 121	
Toluene-d8 (Surrogate)	MS	1308130-65	ND	0.050650	0.050000	mg/kg		101		81 - 117	
	MSD	1308130-65	ND	0.050480	0.050000	mg/kg	0.3	101		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1308130-65	ND	0.049690	0.050000	mg/kg		99.4		74 - 121	
	MSD	1308130-65	ND	0.050020	0.050000	mg/kg	0.7	100		74 - 121	
QC Batch ID: BWE1014	Used client sample: N										
Benzene	MS	1308130-66	ND	0.11472	0.12500	mg/kg		91.8		70 - 130	
	MSD	1308130-66	ND	0.11402	0.12500	mg/kg	0.6	91.2	20	70 - 130	
Bromodichloromethane	MS	1308130-66	ND	0.11420	0.12500	mg/kg		91.4		70 - 130	
	MSD	1308130-66	ND	0.11239	0.12500	mg/kg	1.6	89.9	20	70 - 130	
Chlorobenzene	MS	1308130-66	ND	0.12383	0.12500	mg/kg		99.1		70 - 130	
	MSD	1308130-66	ND	0.11962	0.12500	mg/kg	3.5	95.7	20	70 - 130	
Chloroethane	MS	1308130-66	ND	0.10662	0.12500	mg/kg		85.3		70 - 130	
	MSD	1308130-66	ND	0.10644	0.12500	mg/kg	0.2	85.2	20	70 - 130	
1,4-Dichlorobenzene	MS	1308130-66	ND	0.12838	0.12500	mg/kg		103		70 - 130	
	MSD	1308130-66	ND	0.12313	0.12500	mg/kg	4.2	98.5	20	70 - 130	
1,1-Dichloroethane	MS	1308130-66	ND	0.11555	0.12500	mg/kg		92.4		70 - 130	
	MSD	1308130-66	ND	0.11502	0.12500	mg/kg	0.5	92.0	20	70 - 130	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1014	Used client sample: N										
1,1-Dichloroethene	MS	1308130-66	ND	0.11882	0.12500	mg/kg		95.1		70 - 130	
	MSD	1308130-66	ND	0.11456	0.12500	mg/kg	3.7	91.6	20	70 - 130	
Toluene	MS	1308130-66	ND	0.12356	0.12500	mg/kg		98.8		70 - 130	
	MSD	1308130-66	ND	0.12055	0.12500	mg/kg	2.5	96.4	20	70 - 130	
Trichloroethene	MS	1308130-66	ND	0.12193	0.12500	mg/kg		97.5		70 - 130	
	MSD	1308130-66	ND	0.11949	0.12500	mg/kg	2.0	95.6	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1308130-66	ND	0.049200	0.050000	mg/kg		98.4		70 - 121	
	MSD	1308130-66	ND	0.049390	0.050000	mg/kg	0.4	98.8		70 - 121	
Toluene-d8 (Surrogate)	MS	1308130-66	ND	0.049510	0.050000	mg/kg		99.0		81 - 117	
	MSD	1308130-66	ND	0.050130	0.050000	mg/kg	1.2	100		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1308130-66	ND	0.051960	0.050000	mg/kg		104		74 - 121	
	MSD	1308130-66	ND	0.052190	0.050000	mg/kg	0.4	104		74 - 121	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1145						
Acenaphthene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BWE1145-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BWE1145-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BWE1145-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BWE1145-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BWE1145-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BWE1145-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BWE1145-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BWE1145-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BWE1145-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BWE1145-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.021	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1145						
1,4-Dichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BWE1145-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BWE1145-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BWE1145-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BWE1145-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BWE1145-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BWE1145-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BWE1145-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BWE1145-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BWE1145-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BWE1145-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BWE1145-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BWE1145-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BWE1145-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BWE1145-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BWE1145-BLK1	ND	mg/kg	0.10	0.021	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1145						
N-Nitrosodiphenylamine	BWE1145-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BWE1145-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BWE1145-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BWE1145-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BWE1145-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BWE1145-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BWE1145-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BWE1145-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BWE1145-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BWE1145-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	BWE1145-BLK1	85.7	%	28 - 144 (LCL - UCL)		
Phenol-d5 (Surrogate)	BWE1145-BLK1	91.6	%	36 - 136 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BWE1145-BLK1	85.3	%	31 - 135 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BWE1145-BLK1	79.0	%	20 - 140 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BWE1145-BLK1	91.0	%	20 - 150 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BWE1145-BLK1	79.8	%	30 - 150 (LCL - UCL)		

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1145										
Acenaphthene	BWE1145-BS1	LCS	1.3287	1.6502	mg/kg	80.5		50 - 140		
1,4-Dichlorobenzene	BWE1145-BS1	LCS	1.2663	1.6502	mg/kg	76.7		40 - 140		
2,4-Dinitrotoluene	BWE1145-BS1	LCS	1.2842	1.6502	mg/kg	77.8		40 - 140		
Hexachlorobenzene	BWE1145-BS1	LCS	1.3116	1.6502	mg/kg	79.5		46 - 140		
Hexachlorobutadiene	BWE1145-BS1	LCS	1.2089	1.6502	mg/kg	73.3		40 - 120		
Hexachloroethane	BWE1145-BS1	LCS	1.1261	1.6502	mg/kg	68.2		40 - 120		
Nitrobenzene	BWE1145-BS1	LCS	1.3267	1.6502	mg/kg	80.4		40 - 130		
N-Nitrosodi-N-propylamine	BWE1145-BS1	LCS	1.1812	1.6502	mg/kg	71.6		40 - 120		
Pyrene	BWE1145-BS1	LCS	1.2921	1.6502	mg/kg	78.3		40 - 150		
1,2,4-Trichlorobenzene	BWE1145-BS1	LCS	1.3073	1.6502	mg/kg	79.2		40 - 140		
4-Chloro-3-methylphenol	BWE1145-BS1	LCS	1.3861	1.6502	mg/kg	84.0		40 - 130		
2-Chlorophenol	BWE1145-BS1	LCS	1.2079	1.6502	mg/kg	73.2		40 - 130		
2-Methylphenol	BWE1145-BS1	LCS	1.2855	1.6502	mg/kg	77.9		40 - 140		
3- & 4-Methylphenol	BWE1145-BS1	LCS	2.6017	3.3003	mg/kg	78.8		40 - 120		
4-Nitrophenol	BWE1145-BS1	LCS	0.34752	1.6502	mg/kg	21.1		20 - 120		
Pentachlorophenol	BWE1145-BS1	LCS	1.1294	1.6502	mg/kg	68.4		20 - 130		
Phenol	BWE1145-BS1	LCS	1.2515	1.6502	mg/kg	75.8		40 - 120		
2,4,6-Trichlorophenol	BWE1145-BS1	LCS	1.3096	1.6502	mg/kg	79.4		44 - 130		
2-Fluorophenol (Surrogate)	BWE1145-BS1	LCS	2.0762	2.6403	mg/kg	78.6		28 - 144		
Phenol-d5 (Surrogate)	BWE1145-BS1	LCS	2.1640	2.6403	mg/kg	82.0		36 - 136		
Nitrobenzene-d5 (Surrogate)	BWE1145-BS1	LCS	2.2386	2.6403	mg/kg	84.8		31 - 135		
2-Fluorobiphenyl (Surrogate)	BWE1145-BS1	LCS	1.8934	2.6403	mg/kg	71.7		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BWE1145-BS1	LCS	1.9663	2.6403	mg/kg	74.5		20 - 150		
p-Terphenyl-d14 (Surrogate)	BWE1145-BS1	LCS	0.96337	1.3201	mg/kg	73.0		30 - 150		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1145	Used client sample: Y - Description: T2-5, 05/08/2013 13:00										
Acenaphthene	MS	1309783-13	ND	0.74915	1.6949	mg/kg		44.2		40 - 140	
	MSD	1309783-13	ND	1.2649	1.6556	mg/kg	51.2	76.4	30	40 - 140	Q02
1,4-Dichlorobenzene	MS	1309783-13	ND	0.52881	1.6949	mg/kg		31.2		30 - 150	
	MSD	1309783-13	ND	1.1738	1.6556	mg/kg	75.8	70.9	30	30 - 150	Q02
2,4-Dinitrotoluene	MS	1309783-13	ND	0.42542	1.6949	mg/kg		25.1		30 - 140	J,Q03
	MSD	1309783-13	ND	0.82119	1.6556	mg/kg	63.5	49.6	30	30 - 140	Q02
Hexachlorobenzene	MS	1309783-13	ND	0.083729	1.6949	mg/kg		4.9		30 - 150	J,Q03
	MSD	1309783-13	ND	1.3940	1.6556	mg/kg	177	84.2	30	30 - 150	
Hexachlorobutadiene	MS	1309783-13	ND	0.59153	1.6949	mg/kg		34.9		20 - 140	
	MSD	1309783-13	ND	1.1407	1.6556	mg/kg	63.4	68.9	30	20 - 140	Q02
Hexachloroethane	MS	1309783-13	ND	0.55085	1.6949	mg/kg		32.5		30 - 140	
	MSD	1309783-13	ND	1.1672	1.6556	mg/kg	71.8	70.5	30	30 - 140	Q02
Nitrobenzene	MS	1309783-13	ND	0.68136	1.6949	mg/kg		40.2		30 - 140	
	MSD	1309783-13	ND	1.1093	1.6556	mg/kg	47.8	67.0	30	30 - 140	Q02
N-Nitrosodi-N-propylamine	MS	1309783-13	ND	0.56949	1.6949	mg/kg		33.6		30 - 120	
	MSD	1309783-13	ND	1.1772	1.6556	mg/kg	69.6	71.1	30	30 - 120	Q02
Pyrene	MS	1309783-13	ND	1.1915	1.6949	mg/kg		70.3		40 - 150	
	MSD	1309783-13	ND	1.5116	1.6556	mg/kg	23.7	91.3	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1309783-13	ND	0.64915	1.6949	mg/kg		38.3		30 - 150	
	MSD	1309783-13	ND	1.2864	1.6556	mg/kg	65.8	77.7	30	30 - 150	Q02
4-Chloro-3-methylphenol	MS	1309783-13	ND	0.63220	1.6949	mg/kg		37.3		40 - 130	J,Q03
	MSD	1309783-13	ND	1.2136	1.6556	mg/kg	63.0	73.3	30	40 - 130	Q02
2-Chlorophenol	MS	1309783-13	ND	0.50000	1.6949	mg/kg		29.5		40 - 130	Q03
	MSD	1309783-13	ND	1.0381	1.6556	mg/kg	70.0	62.7	30	40 - 130	Q02
2-Methylphenol	MS	1309783-13	ND	0.57119	1.6949	mg/kg		33.7		30 - 140	
	MSD	1309783-13	ND	1.1656	1.6556	mg/kg	68.4	70.4	30	30 - 140	Q02
3- & 4-Methylphenol	MS	1309783-13	ND	1.1034	3.3898	mg/kg		32.5		40 - 130	Q03
	MSD	1309783-13	ND	2.4321	3.3113	mg/kg	75.2	73.4	30	40 - 130	Q02
4-Nitrophenol	MS	1309783-13	ND	0.093220	1.6949	mg/kg		5.5		20 - 140	J,Q03
	MSD	1309783-13	ND	0.74007	1.6556	mg/kg	155	44.7	30	20 - 140	J,Q02
Pentachlorophenol	MS	1309783-13	ND	0.18475	1.6949	mg/kg		10.9		20 - 130	J,Q03
	MSD	1309783-13	ND	0.97682	1.6556	mg/kg	136	59.0	30	20 - 130	J,Q02
Phenol	MS	1309783-13	ND	0.62712	1.6949	mg/kg		37.0		30 - 130	
	MSD	1309783-13	ND	1.2185	1.6556	mg/kg	64.1	73.6	30	30 - 130	Q02
2,4,6-Trichlorophenol	MS	1309783-13	ND	0.51017	1.6949	mg/kg		30.1		40 - 140	J,Q03
	MSD	1309783-13	ND	1.0662	1.6556	mg/kg	70.5	64.4	30	40 - 140	Q02

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1145	Used client sample: Y - Description: T2-5, 05/08/2013 13:00										
2-Fluorophenol (Surrogate)	MS	1309783-13	ND	0.84915	2.7119	mg/kg		31.3		28 - 144	
	MSD	1309783-13	ND	1.9520	2.6490	mg/kg	78.7	73.7		28 - 144	
Phenol-d5 (Surrogate)	MS	1309783-13	ND	1.0322	2.7119	mg/kg		38.1		36 - 136	
	MSD	1309783-13	ND	2.0844	2.6490	mg/kg	67.5	78.7		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1309783-13	ND	1.0610	2.7119	mg/kg		39.1		31 - 135	
	MSD	1309783-13	ND	2.0199	2.6490	mg/kg	62.2	76.3		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1309783-13	ND	1.0661	2.7119	mg/kg		39.3		20 - 140	
	MSD	1309783-13	ND	1.9785	2.6490	mg/kg	59.9	74.7		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1309783-13	ND	0.97797	2.7119	mg/kg		36.1		20 - 150	
	MSD	1309783-13	ND	1.8709	2.6490	mg/kg	62.7	70.6		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1309783-13	ND	0.71017	1.3559	mg/kg		52.4		30 - 150	
	MSD	1309783-13	ND	1.0662	1.3245	mg/kg	40.1	80.5		30 - 150	

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1154						
Gasoline Range Organics (C4 - C12)	BWE1154-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1154-BLK1	95.0	%	70 - 130 (LCL - UCL)		
QC Batch ID: BWE1156						
Gasoline Range Organics (C4 - C12)	BWE1156-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1156-BLK1	105	%	70 - 130 (LCL - UCL)		
QC Batch ID: BWE1160						
TPH - C8 - C9	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BWE1160-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BWE1160-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BWE1160-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	BWE1160-BLK1	89.5	%	20 - 145 (LCL - UCL)		

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123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1154										
Gasoline Range Organics (C4 - C12)	BWE1154-BS1	LCS	5.3610	5.0000	mg/kg	107		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1154-BS1	LCS	0.041000	0.040000	mg/kg	102		70 - 130		
QC Batch ID: BWE1156										
Gasoline Range Organics (C4 - C12)	BWE1156-BS1	LCS	5.0660	5.0000	mg/kg	101		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BWE1156-BS1	LCS	0.045000	0.040000	mg/kg	112		70 - 130		
QC Batch ID: BWE1160										
TPH - Diesel (FFP)	BWE1160-BS1	LCS	66.185	84.459	mg/kg	78.4		64 - 124		
Tetracosane (Surrogate)	BWE1160-BS1	LCS	2.7764	3.3784	mg/kg	82.2		20 - 145		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1154	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1308130-65	ND	4.7600	5.0000	mg/kg		95.2		70 - 130	
	MSD	1308130-65	ND	4.9550	5.0000	mg/kg	4.0	99.1	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1308130-65	ND	0.040000	0.040000	mg/kg		100		70 - 130	
	MSD	1308130-65	ND	0.042000	0.040000	mg/kg	4.9	105		70 - 130	
QC Batch ID: BWE1156	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1308130-66	ND	4.8940	5.0000	mg/kg		97.9		70 - 130	
	MSD	1308130-66	ND	4.9030	5.0000	mg/kg	0.2	98.1	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1308130-66	ND	0.043000	0.040000	mg/kg		108		70 - 130	
	MSD	1308130-66	ND	0.045000	0.040000	mg/kg	4.5	112		70 - 130	
QC Batch ID: BWE1160	Used client sample: Y - Description: T5-21, 05/08/2013 10:00										
TPH - Diesel (FFP)	MS	1309783-08	72.000	52.533	83.056	mg/kg		-23.4		52 - 131	A01,Q03
	MSD	1309783-08	72.000	72.209	84.459	mg/kg	31.5	0.2	30	52 - 131	A01,Q03
Tetracosane (Surrogate)	MS	1309783-08	ND	3.0648	3.3223	mg/kg		92.2		20 - 145	A01
	MSD	1309783-08	ND	3.1909	3.3784	mg/kg	4.0	94.5		20 - 145	A01

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TRC
123 Technology Drive
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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BWE1022						
Mercury	BWE1022-BLK1	ND	mg/kg	0.16	0.025	
QC Batch ID: BWE1099						
Antimony	BWE1099-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BWE1099-BLK1	ND	mg/kg	1.0	0.40	
Barium	BWE1099-BLK1	0.20867	mg/kg	0.50	0.18	J
Beryllium	BWE1099-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BWE1099-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BWE1099-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BWE1099-BLK1	ND	mg/kg	2.5	0.098	
Copper	BWE1099-BLK1	0.061847	mg/kg	1.0	0.050	J
Lead	BWE1099-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BWE1099-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BWE1099-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BWE1099-BLK2	ND	mg/kg	1.0	0.98	
Silver	BWE1099-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BWE1099-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BWE1099-BLK1	ND	mg/kg	0.50	0.11	
Zinc	BWE1099-BLK1	0.21637	mg/kg	2.5	0.087	J

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BWE1022										
Mercury	BWE1022-BS1	LCS	0.76576	0.80000	mg/kg	95.7		80 - 120		
QC Batch ID: BWE1099										
Antimony	BWE1099-BS1	LCS	92.183	100.00	mg/kg	92.2		75 - 125		
Arsenic	BWE1099-BS1	LCS	9.6473	10.000	mg/kg	96.5		75 - 125		
Barium	BWE1099-BS1	LCS	99.436	100.00	mg/kg	99.4		75 - 125		
Beryllium	BWE1099-BS1	LCS	9.8182	10.000	mg/kg	98.2		75 - 125		
Cadmium	BWE1099-BS1	LCS	9.8831	10.000	mg/kg	98.8		75 - 125		
Chromium	BWE1099-BS1	LCS	99.328	100.00	mg/kg	99.3		75 - 125		
Cobalt	BWE1099-BS1	LCS	101.91	100.00	mg/kg	102		75 - 125		
Copper	BWE1099-BS1	LCS	97.328	100.00	mg/kg	97.3		75 - 125		
Lead	BWE1099-BS1	LCS	102.64	100.00	mg/kg	103		75 - 125		
Molybdenum	BWE1099-BS1	LCS	100.66	100.00	mg/kg	101		75 - 125		
Nickel	BWE1099-BS1	LCS	102.02	100.00	mg/kg	102		75 - 125		
Selenium	BWE1099-BS2	LCS	8.5961	10.000	mg/kg	86.0		75 - 125		
Silver	BWE1099-BS1	LCS	9.5056	10.000	mg/kg	95.1		75 - 125		
Thallium	BWE1099-BS1	LCS	101.85	100.00	mg/kg	102		75 - 125		
Vanadium	BWE1099-BS1	LCS	96.858	100.00	mg/kg	96.9		75 - 125		
Zinc	BWE1099-BS1	LCS	100.60	100.00	mg/kg	101		75 - 125		

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Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1022	Used client sample: Y - Description: T4-5, 05/08/2013 07:30										
Mercury	DUP	1309783-01	0.23750	0.29062		mg/kg	20.1		20		A02
	MS	1309783-01	0.23750	1.0188	0.78125	mg/kg		100		80 - 120	
	MSD	1309783-01	0.23750	0.99172	0.78125	mg/kg	2.7	96.5	20	80 - 120	
QC Batch ID: BWE1099	Used client sample: Y - Description: T3-5, 05/08/2013 11:00										
Antimony	DUP	1309783-09	2.1016	2.0642		mg/kg	1.8		20		J
	MS	1309783-09	2.1016	22.295	98.039	mg/kg		20.6		16 - 119	
	MSD	1309783-09	2.1016	22.491	98.039	mg/kg	0.9	20.8	20	16 - 119	
Arsenic	DUP	1309783-09	9.9764	9.0554		mg/kg	9.7		20		
	MS	1309783-09	9.9764	18.156	9.8039	mg/kg		83.4		75 - 125	
	MSD	1309783-09	9.9764	17.767	9.8039	mg/kg	2.2	79.5	20	75 - 125	
Barium	DUP	1309783-09	258.26	478.89		mg/kg	59.9		20		Q01
	MS	1309783-09	258.26	350.54	98.039	mg/kg		94.1		75 - 125	
	MSD	1309783-09	258.26	399.76	98.039	mg/kg	13.1	144	20	75 - 125	Q03
Beryllium	DUP	1309783-09	0.45248	0.49402		mg/kg	8.8		20		J
	MS	1309783-09	0.45248	9.5122	9.8039	mg/kg		92.4		75 - 125	
	MSD	1309783-09	0.45248	9.6790	9.8039	mg/kg	1.7	94.1	20	75 - 125	
Cadmium	DUP	1309783-09	10.791	11.625		mg/kg	7.4		20		
	MS	1309783-09	10.791	18.564	9.8039	mg/kg		79.3		75 - 125	
	MSD	1309783-09	10.791	16.410	9.8039	mg/kg	12.3	57.3	20	75 - 125	Q03
Chromium	DUP	1309783-09	30.897	33.554		mg/kg	8.2		20		
	MS	1309783-09	30.897	117.81	98.039	mg/kg		88.6		75 - 125	
	MSD	1309783-09	30.897	116.68	98.039	mg/kg	1.0	87.5	20	75 - 125	
Cobalt	DUP	1309783-09	7.3106	7.5869		mg/kg	3.7		20		
	MS	1309783-09	7.3106	94.307	98.039	mg/kg		88.7		75 - 125	
	MSD	1309783-09	7.3106	94.619	98.039	mg/kg	0.3	89.1	20	75 - 125	
Copper	DUP	1309783-09	113.59	113.92		mg/kg	0.3		20		
	MS	1309783-09	113.59	198.28	98.039	mg/kg		86.4		75 - 125	
	MSD	1309783-09	113.59	187.85	98.039	mg/kg	5.4	75.7	20	75 - 125	
Lead	DUP	1309783-09	922.02	826.18		mg/kg	11.0		20		
	MS	1309783-09	922.02	867.00	98.039	mg/kg		-56.1		75 - 125	A03
	MSD	1309783-09	922.02	757.09	98.039	mg/kg	13.5	-168	20	75 - 125	A03
Molybdenum	DUP	1309783-09	39.480	36.618		mg/kg	7.5		20		
	MS	1309783-09	39.480	114.98	98.039	mg/kg		77.0		75 - 125	
	MSD	1309783-09	39.480	116.04	98.039	mg/kg	0.9	78.1	20	75 - 125	
Nickel	DUP	1309783-09	23.257	24.307		mg/kg	4.4		20		
	MS	1309783-09	23.257	108.51	98.039	mg/kg		87.0		75 - 125	
	MSD	1309783-09	23.257	108.14	98.039	mg/kg	0.3	86.6	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BWE1099	Used client sample: Y - Description: T3-5, 05/08/2013 11:00										
Selenium	DUP	1309783-09	4.3522	5.3325		mg/kg	20.2		20		A02
	MS	1309783-09	4.3522	11.279	9.8039	mg/kg		70.7		75 - 125	Q03
	MSD	1309783-09	4.3522	11.230	9.8039	mg/kg	0.4	70.2	20	75 - 125	Q03
Silver	DUP	1309783-09	1.5081	1.2074		mg/kg	22.1		20		A02
	MS	1309783-09	1.5081	10.468	9.8039	mg/kg		91.4		75 - 125	
	MSD	1309783-09	1.5081	10.543	9.8039	mg/kg	0.7	92.2	20	75 - 125	
Thallium	DUP	1309783-09	1.5085	ND		mg/kg			20		
	MS	1309783-09	1.5085	89.914	98.039	mg/kg		90.2		75 - 125	
	MSD	1309783-09	1.5085	89.196	98.039	mg/kg	0.8	89.4	20	75 - 125	
Vanadium	DUP	1309783-09	27.468	28.137		mg/kg	2.4		20		
	MS	1309783-09	27.468	119.11	98.039	mg/kg		93.5		75 - 125	
	MSD	1309783-09	27.468	118.73	98.039	mg/kg	0.3	93.1	20	75 - 125	
Zinc	DUP	1309783-09	684.82	782.01		mg/kg	13.3		20		
	MS	1309783-09	684.82	761.03	98.039	mg/kg		77.7		75 - 125	
	MSD	1309783-09	684.82	667.56	98.039	mg/kg	13.1	-17.6	20	75 - 125	A03

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 05/17/2013 14:59
Project: Gage Ave Landfill
Project Number: 203004.0000.0000
Project Manager: James Ferrara

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A02	The difference between duplicate readings is less than the PQL.
A03	The sample concentration is more than 4 times the spike level.
A10	PQL's and MDL's were raised due to matrix interference.
A17	Surrogate not reportable due to sample dilution.
L21	The Laboratory Control Sample Soil (LCSS) recovery is not within laboratory established control limits.
Q01	Sample precision is not within the control limits.
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V01	The Initial Calibration Verification (ICV) recovery is not within established control limits.

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APPENDIX B

TRC TRENCH LOGS, OFFICIAL LABORATORY REPORTS AND CHAIN OF CUSTODY RECORDS

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave. Landfill

DATE: 1/10/14

TRENCH ID: Test Pit - SE Quadrant (50'x50'x23')

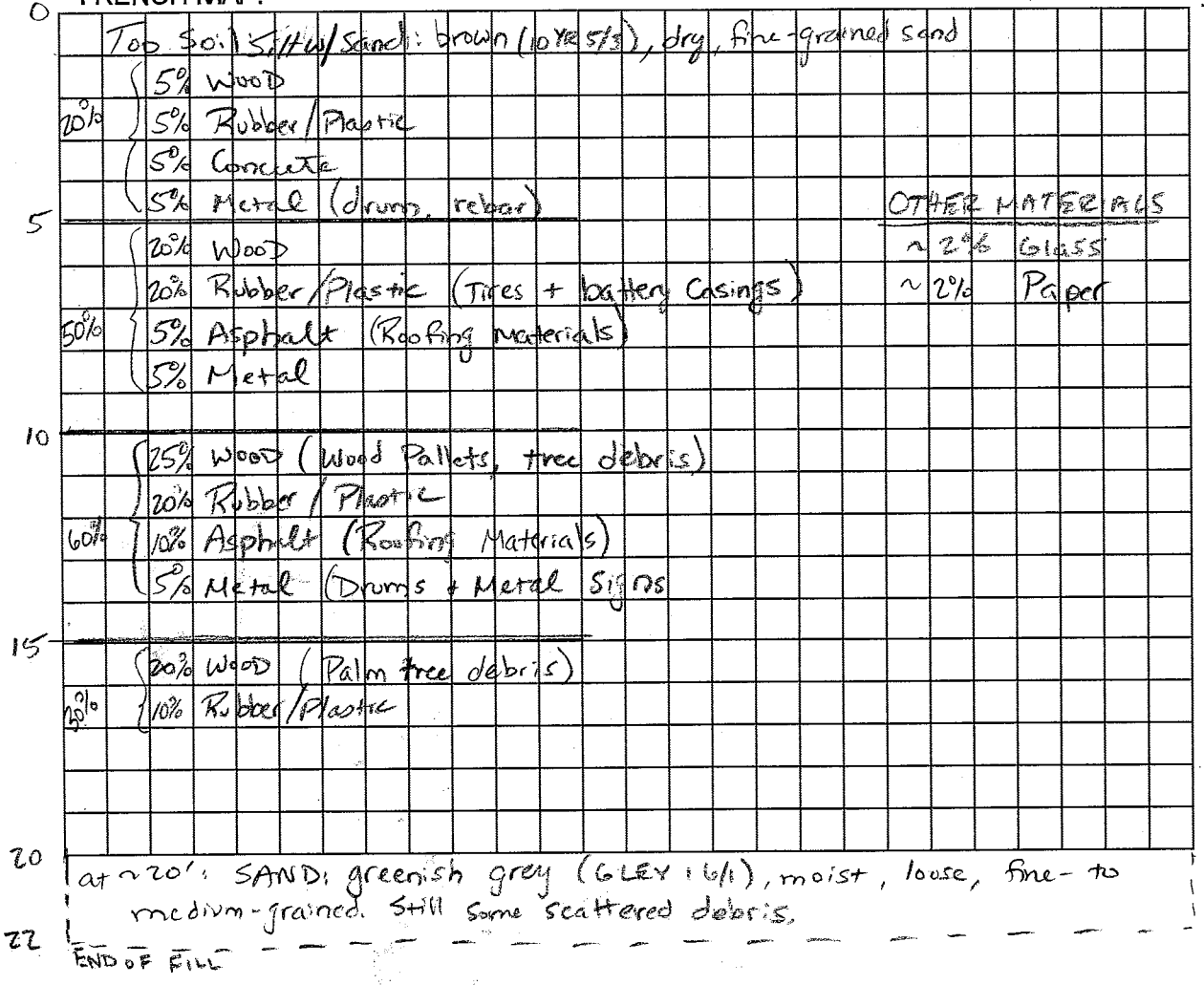
TIME: 1000

SAMPLER: R. Lovdahl

WEATHER: Sunny

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

Total of 9 55gal drums found in this quadrant (5-15' deep). No PID hits, most drums were crushed or filled w/ construction materials. One drum was isolated on plastic, viscous tar escaping from sides.

Collected soil samples at 23 ft and 26 ft in this quadrant. (TP-2-23 and TP-2-26) on 1/10/14

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave. Landfill

DATE: 1/15/14

TRENCH ID: Test Pit - NE Quadrant (50' x 50' x 23')

TIME: 0730

SAMPLER: R. Lovdahl

WEATHER: Clear

TRENCH MAP:

MAP SCALE:

0

Top Soil: Silt with sand: brown (10YR 5/3), dry, fine-grained sand.

15% { 5% Concrete; 5% Wood; 3% Asphalt (Roofing Materials); 2% Metal

5

45% { 25% Wood (Beams, pallets, tree debris); 10% Rubber/Plastic; 5% Asphalt; 5% Paper

10

45% { 25% Wood; 10% Rubber/Plastic; 5% Asphalt; 5% Paper

15

35% { 20% Wood; 10% Rubber/Plastic; 5% Paper

20

at ~20': SAND: greenish gray (GLEY 1 6/1), moist, loose, fine- to medium-grained. Some scattered debris.

22

END OF FILL

OTHER MATERIALS

2% Glass

3% Metal

FIELD_NOTES

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Cooge Ave. Landfill

DATE: 1/9/14

TRENCH ID: Test Pit - NW Quadrant (50'x50'x20')

TIME: 0930

SAMPLER: R. Lovdahl

WEATHER: Overcast

TRENCH MAP:

MAP SCALE: -

0

Top Soil: Silt with sand: brown (10YR 5/3), dry, fine grained sand.

20%
- 5% Wood
- 5% Rubber/Plastic
- 5% Concrete
- 5% Asphalt (Roofing)

Trace: Metal

OTHER MATERIALS
~2% Glass (Bottles)

5

45%
- 20% Wood
- 10% Rubber/Plastic
- 10% Asphalt (Roofing)
- 5% Paper (Books + Dump tickets)

Trace: Metal

10

45%
- 20% Wood (Tree stumps + logs)
- 10% Rubber/Plastic
- 10% Paper
- 5% Asphalt (Roofing)

15

25%
- 15% Wood (Tree trunks)
- 5% Rubber/Plastic
- 5% Metal

20

At ~20': SAND: greenish grey (GLEY1 6/1), moist, loose, fine- to medium-grained, some scattered debris.

22 END of Fill

FIELD_NOTES

Soil samples collected at 23' and 26' bgs. (TP-1-23 and TP-1-26)

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 1/8/14

TRENCH ID: Test Pit - SW Quadrant (50'x50'x23')

TIME: 0725 (Start)

SAMPLER: R. Lovdahl

WEATHER: Clear

TRENCH MAP:

MAP SCALE:

0

Silt with sand: brown (10YR 5/3), dry, fine-grained sand. (At surface to ~3')

12%
- 10% Wood
- 5% Concrete (Brown Soil Matrix)
- 5% Asphalt Roofing
- 2% Metal (Rebar)

5

OTHER MATERIALS
~2% Glass

12%
- 10% Wood
- 15% Rubber/Plastic (Tires and battery cases)
- 10% Asphalt Roofing (Dark Grey Soil Matrix)
- 5% Metal
- 2% Glass

10

42%
- 15% Wood
- 15% Rubber/Plastic
- 5% Asphalt Roofing (Dark Grey Soil Matrix)
- 5% Metal
- 2% Glass

15

15%
- 15% Wood (Tree Stumps/trunks)
- 10% Rubber/Plastic
- 5% Asphalt (Dark Grey Soil Matrix)

20

at ~20': SAND: greenish grey (GLEY 1 6/1), moist, loose, fine- to medium grained, PID Reading: 9.0 ppm. (Native) Still some debris present

at ~22': Same as above. PID = 0.5 ppm END OF FILL

FIELD_NOTES

* 55-gallon drum found near Southern edge ~10'-15'. PID ~ 40 ppm inside drum. Drum had no lid (soil filled)

In some areas, debris doesn't cease until ~23' deep.

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave. Landfill

DATE: 1/17/14

TRENCH ID: Southern Test Trench (T6) 20'x50'

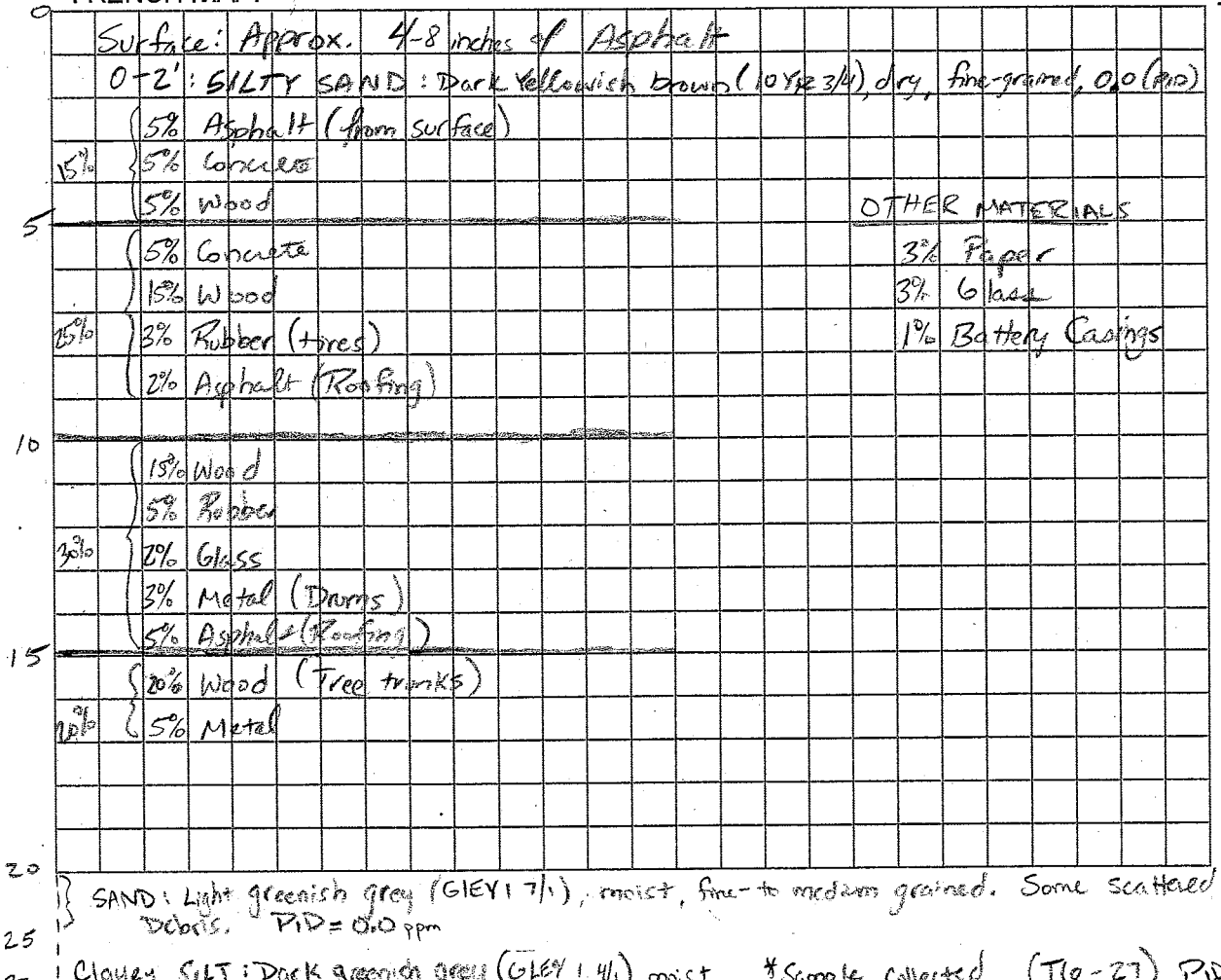
TIME: 0830

SAMPLER: R. Lovdahl

WEATHER: Clear

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

* 3 Drums found. All were crushed, no suspicious contents. No PID hits.

Sample T6-27 collected ~12' North of South Fence.

Sample from Stockpile: Composite Screened Stockpile (CSS) T6-CSS-1 collected from E and W side of Stockpile (4-locations)

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 1-20-14

TRENCH ID: Western trench T7

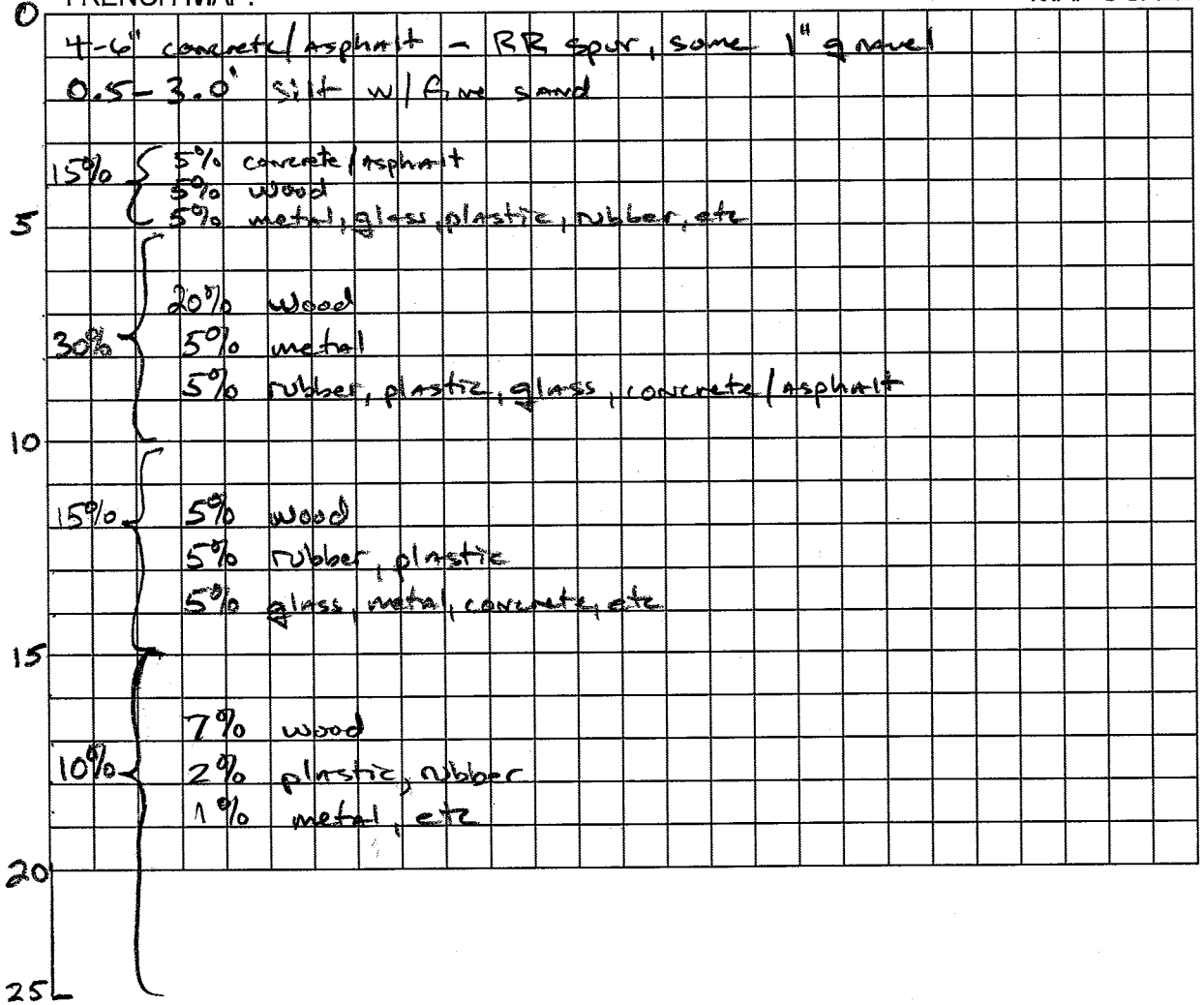
TIME: 10:00

SAMPLER: J Ferrara

WEATHER: clear

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

California Integrated Waste Management Board

TRENCH LOG

SITE: Gage Ave Landfill

DATE: 1-21-14

TRENCH ID: TB (Northern trench, northend)

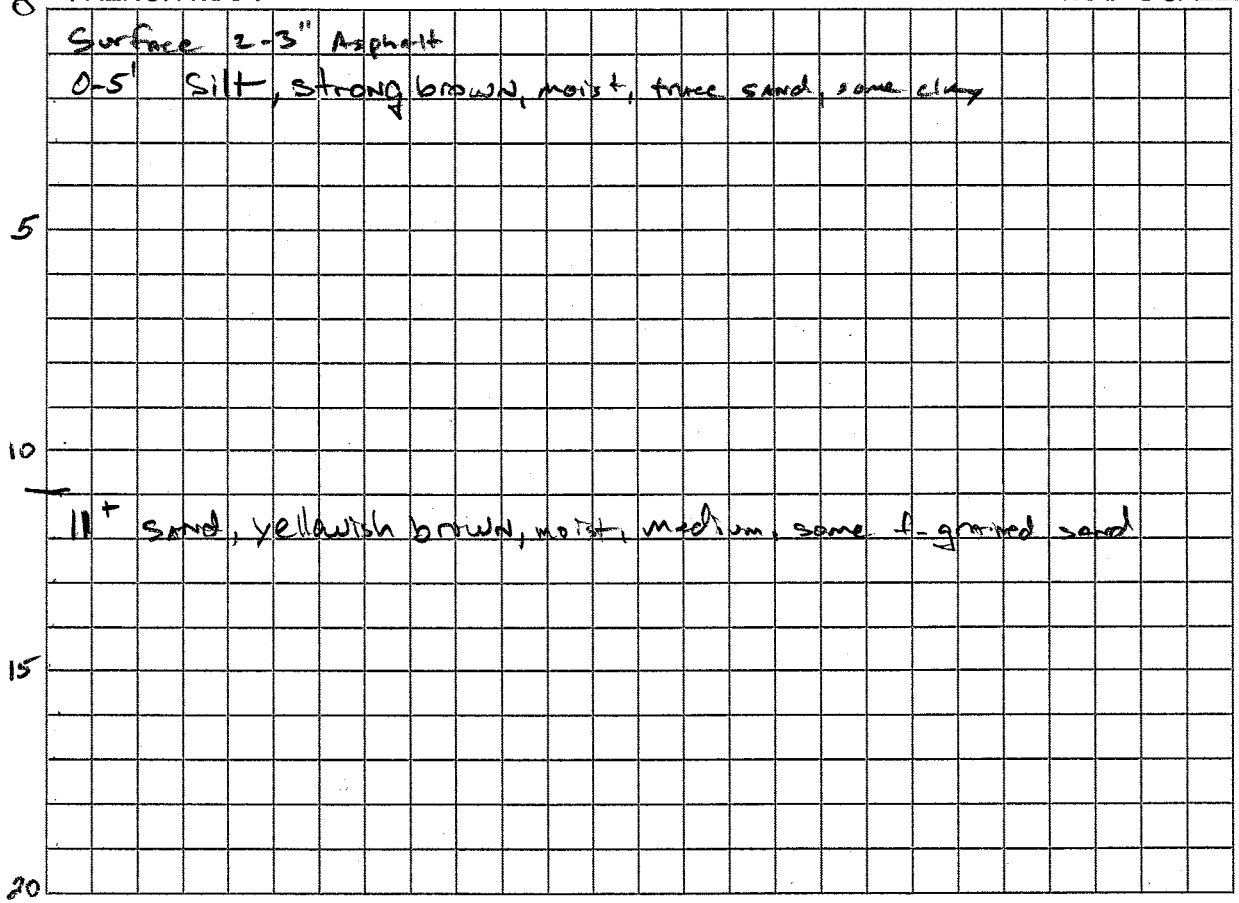
TIME:

SAMPLER: JF

WEATHER: Clear

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

- Landfilled material not encountered
- Extend past 50' trench limits to south
- Extend trench additional 10' to south. Exposed landfill debris at southern end of trench

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Ave Landfill

DATE: 1-22-14

TRENCH ID: T8 (southern end of northern trench)

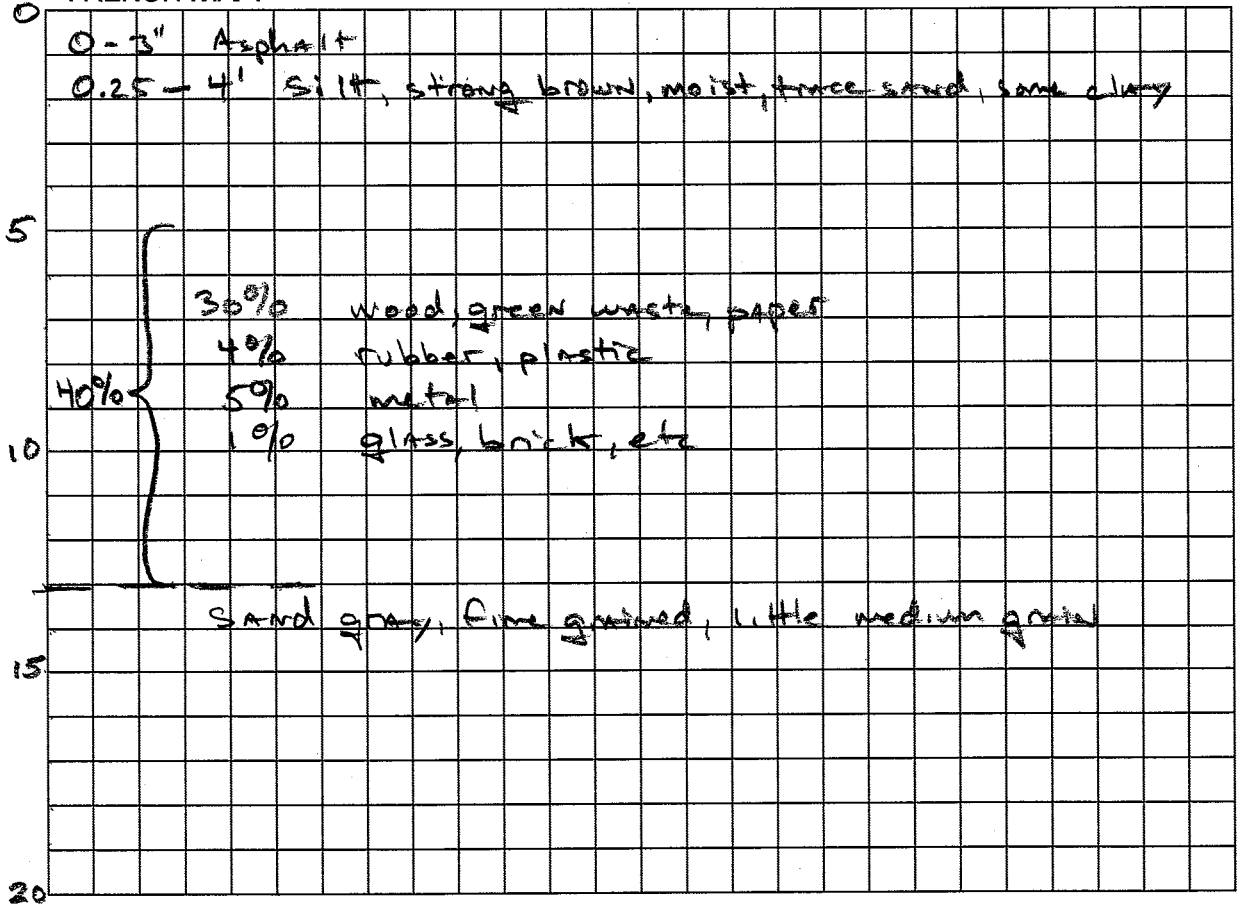
TIME:

SAMPLER: J Ferrara

WEATHER: clear

TRENCH MAP:

MAP SCALE:



FIELD_NOTES

California Integrated Waste Management Board

TRENCH LOG

SITE: Former Gage Landfill

DATE: 1/21/14

TRENCH ID: TG - Eastern Trench

TIME: 11:15

SAMPLER: JF/RL

WEATHER: Clear

TRENCH MAP:

MAP SCALE:

0
Top Soil: Silty sand, light brown, dry
@ 2 ft. bgs - water pipeline encountered (6"-8" diameter)
3-5': 10% wood, 5% asphalt, 5% concrete

5
10% Concrete (some large slabs)
5% rubber
15% Wood
2% Glass

10
10% Concrete
5% Rubber

15
5% Concrete

17
Grey sand: No more landfill material observed

20

FIELD_NOTES

Comparing material visible in excavation walls, West wall has a much higher concentration of landfill material than east wall. (fringe of landfill)

Trench stopped at pipeline (approximately 20' x 30')

*No bottom sample collected
*Soil was not screened from this trench.

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/27/2014

David Lennon

TRC
123 Technology Drive
Irvine, CA 92618

Client Project:	203004
BCL Project:	Gage Ave Landfill
BCL Work Order:	1401167
Invoice ID:	B164907

Enclosed are the results of analyses for samples received by the laboratory on 1/15/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

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Report To: Client: TRC	Project #: 203004
Attn: David Lennon	Project Name: Gage Ave. Landfill
Street Address: 123 Technology Dr.	Global ID #:
City, State, Zip: Irvine, CA 92618	Sampler(s):
Phone: (949) 727-9336 Fax:	R. Lovdahl
Email Address: dlennon@trcsolutions.com	J. Ferrara
Work Order #: 14-01167	

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	EPA 8015 CC Carbon Chain	TTLC Metals Title 22	EPA 8080 organo-chlorine Pesticides + PCBs	EPA 8260 Purgeable Halogenated and Aromatics	EPA 8270 - Acid Extractables and Base Neutrals	LUFT Method TPH (Gas)	STLC on all 17 Metals	TCLP on 8 RCRA Metals	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	# of Containers	Other	Turnaround # of work days*	Notes
-1	CSS-1	1/14/14	1345	X	X	X	X	X	X	X	X	X					2		5	Hold samples for
-2	CSS-2	1/14/14	1400	X	X	X	X	X	X	X	X	X					2		5	further analysis

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: KLO

DISTRIBUTION: WHITE, CANARY, PINK, GOLDENROD

SUB-OUT ☐

Billing ☒ Same as above

Client:

Address:

City: State Zip

Attn:

PO#: C 203004

Report Drinking Waters on State Form? ☐ Yes ☒ No

Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.		1/15/14	1400		1/15/14	1400
2.		1/15/14	1845		1/15/14	1845
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody and Cooler Receipt Form for 1401167 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 14-01167

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☑ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received
☑ YES ☐ NO

Emissivity: 0.97 Container: CIR Glass Thermometer ID: 207
Temperature: (A) 2.4 °C / (C) 2.3 °C
Date/Time 1/15/14 1845
Analyst Init M

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER 8 oz Jar	A,B	A,B								
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____
Sample Numbering Completed By: M Date/Time: 1/15/14 1918

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1401167-01	**COC Number:**	---	**Receive Date:**	01/15/2014 18:45
	Project Number:	Gage Ave	**Sampling Date:**	01/14/2014 13:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	CSS-1	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	CSS-1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401167-02	**COC Number:**	---	**Receive Date:**	01/15/2014 18:45
	Project Number:	Gage Ave	**Sampling Date:**	01/14/2014 14:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	CSS-2	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	CSS-2
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.050	0.0026	EPA-8080	ND	A10	1
alpha-BHC	**2.6**	**mg/kg**	**0.50**	**0.14**	**EPA-8080**	ND	**A01**	2
beta-BHC	**0.26**	**mg/kg**	**0.050**	**0.038**	**EPA-8080**	ND	**A01**	1
delta-BHC	**0.23**	**mg/kg**	**0.050**	**0.0076**	**EPA-8080**	ND	**A01**	1
gamma-BHC (Lindane)	**0.73**	**mg/kg**	**0.050**	**0.025**	**EPA-8080**	ND	**A01**	1
Chlordane (Technical)	ND	mg/kg	5.0	1.5	EPA-8080	ND	A10	1
4,4'-DDD	**40**	**mg/kg**	**2.5**	**0.32**	**EPA-8080**	ND	**A01**	3
4,4'-DDE	**0.92**	**mg/kg**	**0.050**	**0.0045**	**EPA-8080**	ND	**A01**	1
4,4'-DDT	**170**	**mg/kg**	**50**	**3.1**	**EPA-8080**	ND	**A01**	4
Dieldrin	**6.1**	**mg/kg**	**0.50**	**0.032**	**EPA-8080**	ND	**A01**	2
Endosulfan I	ND	mg/kg	0.050	0.0086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.050	0.0066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.050	0.013	EPA-8080	ND	A10	1
Endrin	**4.8**	**mg/kg**	**0.50**	**0.035**	**EPA-8080**	ND	**A01**	2
Endrin aldehyde	ND	mg/kg	0.050	0.0061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.050	0.026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.050	0.015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.050	0.013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	5.0	0.74	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	1.0	0.27	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	1.0	0.50	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	1.0	0.12	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	1.0	0.16	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	1.0	0.12	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	1.0	0.078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	1.0	0.22	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	1.0	0.50	EPA-8080	ND	A10	1
Decachlorobiphenyl (Surrogate)	0	%	20 - 140 (LCL - UCL)		EPA-8080		A10,A17	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/17/14	01/21/14 22:18	VH1	GC-14	99.338	BXA1176
2	EPA-8080	01/17/14	01/22/14 11:33	VH1	GC-14	993.38	BXA1176
3	EPA-8080	01/17/14	01/22/14 11:47	VH1	GC-14	4966.9	BXA1176
4	EPA-8080	01/17/14	01/22/14 12:15	VH1	GC-14	99338	BXA1176

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0016**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0024**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/16/14	01/20/14 11:21	AA1	MS-V3	1	BXA0951

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123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	**0.10**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C	ND	A10	1
Anthracene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	0.50	0.060	EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
alpha-BHC	**1.6**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**A10**	1
beta-BHC	**0.25**	**mg/kg**	**0.50**	**0.10**	**EPA-8270C**	ND	**J,A10**	1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	**0.47**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	**0.57**	**mg/kg**	**1.0**	**0.22**	**EPA-8270C**	ND	**J,A10**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4,4'-DDD	**8.3**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**A10**	1
4,4'-DDE	**0.36**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
4,4'-DDT	**10**	**mg/kg**	**0.50**	**0.095**	**EPA-8270C**	ND	**A10**	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Fluorene	**0.11**	**mg/kg**	**0.50**	**0.095**	**EPA-8270C**	ND	**J,A10**	1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2-Methylnaphthalene	**0.093**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Naphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Phenanthrene	**0.33**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Pyrene	**0.39**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	**0.22**	**mg/kg**	**1.0**	**0.11**	**EPA-8270C**	ND	**J,A10**	1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	85.7	%	28 - 144 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	93.9	%	36 - 136 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	88.8	%	31 - 135 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	82.2	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	88.4	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	102	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/17/14	01/21/14 20:54	SKC	MS-B2	4.734	BXA1199

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	105	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/15/14	01/16/14 14:29	JJH	GC-V8	1	BXA1082

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TRC
123 Technology Drive
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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C10 - C11	**12**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C12 - C14	**23**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C15 - C16	**30**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C17 - C18	**45**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C19 - C20	**87**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C21 - C22	**120**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C23 - C28	**290**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C29 - C32	**250**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C33 - C36	**72**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C37 - C40	**53**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C41 - C43	**42**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH (Total)	**1000**	**mg/kg**	**100**	**23**	**EPA-8015CC**	ND	**A01**	1
Tetracosane (Surrogate)	205	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/17/14	01/21/14 15:34	MWB	GC-2	10.067	BXA1084

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.27**	**mg/L**	**1.0**	**0.17**	**EPA-6010B**	ND	**J**	1
Arsenic	**0.54**	**mg/L**	**0.20**	**0.12**	**EPA-6010B**	ND		1
Barium	**5.6**	**mg/L**	**0.10**	**0.014**	**EPA-6010B**	0.031		1
Beryllium	**0.0087**	**mg/L**	**0.10**	**0.0045**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.044**	**mg/L**	**0.10**	**0.010**	**EPA-6010B**	ND	**J**	1
Chromium	**0.27**	**mg/L**	**0.10**	**0.0092**	**EPA-6010B**	0.010		1
Cobalt	**0.19**	**mg/L**	**0.50**	**0.011**	**EPA-6010B**	ND	**J**	1
Copper	**0.10**	**mg/L**	**0.10**	**0.012**	**EPA-6010B**	ND		1
Lead	**16**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	ND		1
Mercury	ND	mg/L	0.0020	0.00030	EPA-7470A	ND		2
Molybdenum	**0.12**	**mg/L**	**0.50**	**0.012**	**EPA-6010B**	ND	**J**	1
Nickel	**0.44**	**mg/L**	**0.10**	**0.026**	**EPA-6010B**	0.028		1
Selenium	ND	mg/L	0.20	0.11	EPA-6010B	0.20		1
Silver	ND	mg/L	0.10	0.025	EPA-6010B	ND		1
Thallium	ND	mg/L	1.0	0.16	EPA-6010B	ND		1
Vanadium	**0.51**	**mg/L**	**0.10**	**0.0092**	**EPA-6010B**	ND		1
Zinc	**23**	**mg/L**	**0.50**	**0.016**	**EPA-6010B**	0.058		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/19/14	01/21/14 10:48	ARD	PE-OP1	1	BXA1251
2	EPA-7470A	01/21/14	01/22/14 10:04	MEV	CETAC1	1	BXA1331

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	ND	mg/L	0.20	0.083	EPA-6010B	ND		1
Barium	**0.78**	**mg/L**	**0.10**	**0.034**	**EPA-6010B**	ND		1
Cadmium	**0.016**	**mg/L**	**0.10**	**0.0051**	**EPA-6010B**	ND	**J**	1
Chromium	**0.0093**	**mg/L**	**0.10**	**0.0075**	**EPA-6010B**	ND	**J**	1
Lead	**0.79**	**mg/L**	**0.50**	**0.030**	**EPA-6010B**	0.045		1
Mercury	ND	mg/L	0.0020	0.00030	EPA-7470A	ND		2
Selenium	ND	mg/L	0.20	0.11	EPA-6010B	ND		1
Silver	ND	mg/L	0.10	0.0083	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/17/14	01/20/14 08:34	ARD	PE-OP1	1	BXA1099
2	EPA-7470A	01/17/14	01/20/14 10:29	MEV	CETAC1	1	BXA1078

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401167-01 | **Client Sample Name:** Gage Ave, CSS-1, 1/14/2014 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.7	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	9.8	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.1	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	25	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.7	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	74	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	160	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.15	mg/kg	0.16	0.025	EPA-7471A	ND	J	2
Molybdenum	1.4	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	19	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.0	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.45	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	2.4	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	370	mg/kg	2.5	0.087	EPA-6010B	0.16		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/17/14	01/20/14 08:01	ARD	PE-OP1	0.990	BXA1104
2	EPA-7471A	01/17/14	01/17/14 15:16	MEV	CETAC1	1.008	BXA1109

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123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.050	0.0026	EPA-8080	ND	A10	1
alpha-BHC	**6.4**	**mg/kg**	**0.50**	**0.14**	**EPA-8080**	ND	**A01**	2
beta-BHC	**0.61**	**mg/kg**	**0.050**	**0.038**	**EPA-8080**	ND	**A01**	1
delta-BHC	**0.72**	**mg/kg**	**0.050**	**0.0076**	**EPA-8080**	ND	**A01**	1
gamma-BHC (Lindane)	**2.2**	**mg/kg**	**0.50**	**0.25**	**EPA-8080**	ND	**A01**	2
Chlordane (Technical)	ND	mg/kg	5.0	1.5	EPA-8080	ND	A10	1
4,4'-DDD	**16**	**mg/kg**	**2.5**	**0.32**	**EPA-8080**	ND	**A01**	3
4,4'-DDE	**0.90**	**mg/kg**	**0.50**	**0.045**	**EPA-8080**	ND	**A01**	2
4,4'-DDT	**29**	**mg/kg**	**2.5**	**0.16**	**EPA-8080**	ND	**A01**	3
Dieldrin	**2.7**	**mg/kg**	**0.50**	**0.032**	**EPA-8080**	ND	**A01**	2
Endosulfan I	ND	mg/kg	0.050	0.0086	EPA-8080	ND	A10	1
Endosulfan II	ND	mg/kg	0.050	0.0066	EPA-8080	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.050	0.013	EPA-8080	ND	A10	1
Endrin	**3.2**	**mg/kg**	**0.50**	**0.035**	**EPA-8080**	ND	**A01**	2
Endrin aldehyde	ND	mg/kg	0.050	0.0061	EPA-8080	ND	A10	1
Heptachlor	ND	mg/kg	0.050	0.026	EPA-8080	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.050	0.015	EPA-8080	ND	A10	1
Methoxychlor	ND	mg/kg	0.050	0.013	EPA-8080	ND	A10	1
Toxaphene	ND	mg/kg	5.0	0.74	EPA-8080	ND	A10	1
PCB-1016	ND	mg/kg	1.0	0.27	EPA-8080	ND	A10	1
PCB-1221	ND	mg/kg	1.0	0.50	EPA-8080	ND	A10	1
PCB-1232	ND	mg/kg	1.0	0.12	EPA-8080	ND	A10	1
PCB-1242	ND	mg/kg	1.0	0.16	EPA-8080	ND	A10	1
PCB-1248	ND	mg/kg	1.0	0.12	EPA-8080	ND	A10	1
PCB-1254	ND	mg/kg	1.0	0.078	EPA-8080	ND	A10	1
PCB-1260	ND	mg/kg	1.0	0.22	EPA-8080	ND	A10	1
Total PCB's (Summation)	ND	mg/kg	1.0	0.50	EPA-8080	ND	A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/17/14	01/21/14 22:32	VH1	GC-14	99.338	BXA1176
2	EPA-8080	01/17/14	01/22/14 12:29	VH1	GC-14	993.38	BXA1176
3	EPA-8080	01/17/14	01/22/14 12:43	VH1	GC-14	4966.9	BXA1176

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123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.0016**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	**0.0023**	**mg/kg**	**0.0050**	**0.0015**	**EPA-8260B**	ND	**J**	1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	**0.0012**	**mg/kg**	**0.0050**	**0.0012**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/16/14	01/20/14 11:47	AA1	MS-V3	1	BXA0951

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C	ND	A10	1
Anthracene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	0.50	0.060	EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
alpha-BHC	**2.3**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**A10**	1
beta-BHC	**0.34**	**mg/kg**	**0.50**	**0.10**	**EPA-8270C**	ND	**J,A10**	1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	**0.86**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**A10**	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	**0.88**	**mg/kg**	**1.0**	**0.22**	**EPA-8270C**	ND	**J,A10**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4,4'-DDD	**11**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**A10**	1
4,4'-DDE	**0.36**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
4,4'-DDT	**9.7**	**mg/kg**	**0.50**	**0.095**	**EPA-8270C**	ND	**A10**	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Fluorene	**0.095**	**mg/kg**	**0.50**	**0.095**	**EPA-8270C**	ND	**J,A10**	1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2-Methylnaphthalene	**0.11**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Naphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	**0.72**	**mg/kg**	**0.50**	**0.10**	**EPA-8270C**	ND	**A10**	1
Phenanthrene	**0.33**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Pyrene	**0.38**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	**0.23**	**mg/kg**	**1.0**	**0.11**	**EPA-8270C**	ND	**J,A10**	1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	90.4	%	28 - 144 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	95.4	%	36 - 136 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	88.6	%	31 - 135 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	82.8	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	90.4	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	124	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/17/14	01/21/14 21:19	SKC	MS-B2	4.916	BXA1199

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**0.13**	**mg/kg**	**1.0**	**0.10**	**Luft**	ND	**J**	1
a,a,a-Trifluorotoluene (FID Surrogate)	77.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/15/14	01/16/14 14:59	JJH	GC-V8	1	BXA1082

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C10 - C11	**12**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C12 - C14	**24**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C15 - C16	**28**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C17 - C18	**41**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C19 - C20	**68**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C21 - C22	**100**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C23 - C28	**280**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C29 - C32	**240**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C33 - C36	**73**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C37 - C40	**53**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C41 - C43	**44**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH (Total)	**970**	**mg/kg**	**100**	**23**	**EPA-8015CC**	ND	**A01**	1
Tetracosane (Surrogate)	184	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/17/14	01/21/14 15:11	MWB	GC-2	9.934	BXA1084

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**2.7**	**mg/L**	**1.0**	**0.17**	**EPA-6010B**	ND		1
Arsenic	**0.74**	**mg/L**	**0.20**	**0.12**	**EPA-6010B**	ND		1
Barium	**5.8**	**mg/L**	**0.10**	**0.014**	**EPA-6010B**	0.031		1
Beryllium	**0.0069**	**mg/L**	**0.10**	**0.0045**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.050**	**mg/L**	**0.10**	**0.010**	**EPA-6010B**	ND	**J**	1
Chromium	**0.30**	**mg/L**	**0.10**	**0.0092**	**EPA-6010B**	0.010		1
Cobalt	**0.21**	**mg/L**	**0.50**	**0.011**	**EPA-6010B**	ND	**J**	1
Copper	**0.051**	**mg/L**	**0.10**	**0.012**	**EPA-6010B**	ND	**J**	1
Lead	**27**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	ND		1
Mercury	ND	mg/L	0.0020	0.00030	EPA-7470A	ND		2
Molybdenum	**0.16**	**mg/L**	**0.50**	**0.012**	**EPA-6010B**	ND	**J**	1
Nickel	**0.46**	**mg/L**	**0.10**	**0.026**	**EPA-6010B**	0.028		1
Selenium	ND	mg/L	0.20	0.11	EPA-6010B	0.20		1
Silver	ND	mg/L	0.10	0.025	EPA-6010B	ND		1
Thallium	ND	mg/L	1.0	0.16	EPA-6010B	ND		1
Vanadium	**0.52**	**mg/L**	**0.10**	**0.0092**	**EPA-6010B**	ND		1
Zinc	**28**	**mg/L**	**0.50**	**0.016**	**EPA-6010B**	0.058		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/19/14	01/21/14 10:54	ARD	PE-OP1	1	BXA1251
2	EPA-7470A	01/21/14	01/22/14 09:53	MEV	CETAC1	1	BXA1331

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	ND	mg/L	0.20	0.083	EPA-6010B	ND		1
Barium	**0.87**	**mg/L**	**0.10**	**0.034**	**EPA-6010B**	ND		1
Cadmium	**0.012**	**mg/L**	**0.10**	**0.0051**	**EPA-6010B**	ND	**J**	1
Chromium	**0.0078**	**mg/L**	**0.10**	**0.0075**	**EPA-6010B**	ND	**J**	1
Lead	**0.80**	**mg/L**	**0.50**	**0.030**	**EPA-6010B**	0.045		1
Mercury	ND	mg/L	0.0020	0.00030	EPA-7470A	ND		2
Selenium	ND	mg/L	0.20	0.11	EPA-6010B	ND		1
Silver	ND	mg/L	0.10	0.0083	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/17/14	01/20/14 08:46	ARD	PE-OP1	1	BXA1099
2	EPA-7470A	01/17/14	01/20/14 10:40	MEV	CETAC1	1	BXA1078

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401167-02 | **Client Sample Name:** Gage Ave, CSS-2, 1/14/2014 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	2.1	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	27	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	150	mg/kg	0.50	0.18	EPA-6010B	ND		1
Beryllium	0.32	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	1.1	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	31	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	7.8	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	78	mg/kg	1.0	0.050	EPA-6010B	ND		1
Lead	260	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.19	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.9	mg/kg	2.5	0.050	EPA-6010B	ND	J	1
Nickel	21	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	3.7	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	0.41	mg/kg	0.50	0.067	EPA-6010B	ND	J	1
Thallium	2.1	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	30	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	360	mg/kg	2.5	0.087	EPA-6010B	0.15		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/17/14	01/20/14 08:12	ARD	PE-OP1	0.943	BXA1104
2	EPA-7471A	01/17/14	01/17/14 15:18	MEV	CETAC1	1.025	BXA1109

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1176						
Aldrin	BXA1176-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BXA1176-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BXA1176-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BXA1176-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BXA1176-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BXA1176-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BXA1176-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BXA1176-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BXA1176-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BXA1176-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BXA1176-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BXA1176-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BXA1176-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BXA1176-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BXA1176-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BXA1176-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BXA1176-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BXA1176-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BXA1176-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BXA1176-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BXA1176-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BXA1176-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BXA1176-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BXA1176-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BXA1176-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BXA1176-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BXA1176-BLK1	ND	mg/kg	0.010	0.0050	
Decachlorobiphenyl (Surrogate)	**BXA1176-BLK1**	**95.0**	%	**20 - 140 (LCL - UCL)**		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1176										
Aldrin	BXA1176-BS1	LCS	0.0045307	0.0049505	mg/kg	91.5		70 - 130		
gamma-BHC (Lindane)	BXA1176-BS1	LCS	0.0051607	0.0049505	mg/kg	104		60 - 140		
4,4'-DDT	BXA1176-BS1	LCS	0.0050139	0.0049505	mg/kg	101		60 - 140		
Dieldrin	BXA1176-BS1	LCS	0.0047215	0.0049505	mg/kg	95.4		70 - 130		
Endrin	BXA1176-BS1	LCS	0.0052719	0.0049505	mg/kg	106		60 - 140		
Heptachlor	BXA1176-BS1	LCS	0.0048848	0.0049505	mg/kg	98.7		40 - 140		
Decachlorobiphenyl (Surrogate)	BXA1176-BS1	LCS	0.048788	0.049505	mg/kg	98.6		20 - 140		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1176	Used client sample: N										
Aldrin	MS	1325870-79	ND	0.0044519	0.0050505	mg/kg		88.1		30 - 140	
	MSD	1325870-79	ND	0.0044848	0.0050505	mg/kg	0.7	88.8	30	30 - 140	
gamma-BHC (Lindane)	MS	1325870-79	ND	0.0047249	0.0050505	mg/kg		93.6		30 - 140	
	MSD	1325870-79	ND	0.0048202	0.0050505	mg/kg	2.0	95.4	30	30 - 140	
4,4'-DDT	MS	1325870-79	ND	0.0048263	0.0050505	mg/kg		95.6		30 - 140	
	MSD	1325870-79	ND	0.0049923	0.0050505	mg/kg	3.4	98.8	30	30 - 140	
Dieldrin	MS	1325870-79	ND	0.0046040	0.0050505	mg/kg		91.2		40 - 140	
	MSD	1325870-79	ND	0.0046212	0.0050505	mg/kg	0.4	91.5	30	40 - 140	
Endrin	MS	1325870-79	ND	0.0050990	0.0050505	mg/kg		101		30 - 150	
	MSD	1325870-79	ND	0.0050721	0.0050505	mg/kg	0.5	100	30	30 - 150	
Heptachlor	MS	1325870-79	ND	0.0047128	0.0050505	mg/kg		93.3		70 - 130	
	MSD	1325870-79	ND	0.0048175	0.0050505	mg/kg	2.2	95.4	30	70 - 130	
Decachlorobiphenyl (Surrogate)	MS	1325870-79	ND	0.047039	0.050505	mg/kg		93.1		20 - 140	
	MSD	1325870-79	ND	0.048036	0.050505	mg/kg	2.1	95.1		20 - 140	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA0951						
Benzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXA0951-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXA0951-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXA0951-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA0951						
trans-1,3-Dichloropropene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXA0951-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXA0951-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXA0951-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXA0951-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXA0951-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXA0951-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BXA0951-BLK1**	**95.7**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXA0951-BLK1**	**95.3**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXA0951-BLK1**	**93.8**	%	**74 - 121 (LCL - UCL)**		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA0951										
Benzene	BXA0951-BS1	LCS	0.10914	0.12500	mg/kg	87.3		70 - 130		
Bromodichloromethane	BXA0951-BS1	LCS	0.12311	0.12500	mg/kg	98.5		70 - 130		
Chlorobenzene	BXA0951-BS1	LCS	0.13280	0.12500	mg/kg	106		70 - 130		
Chloroethane	BXA0951-BS1	LCS	0.11422	0.12500	mg/kg	91.4		70 - 130		
1,4-Dichlorobenzene	BXA0951-BS1	LCS	0.13900	0.12500	mg/kg	111		70 - 130		
1,1-Dichloroethane	BXA0951-BS1	LCS	0.10915	0.12500	mg/kg	87.3		70 - 130		
1,1-Dichloroethene	BXA0951-BS1	LCS	0.11306	0.12500	mg/kg	90.4		70 - 130		
Toluene	BXA0951-BS1	LCS	0.11853	0.12500	mg/kg	94.8		70 - 130		
Trichloroethene	BXA0951-BS1	LCS	0.12289	0.12500	mg/kg	98.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXA0951-BS1	LCS	0.046260	0.050000	mg/kg	92.5		70 - 121		
Toluene-d8 (Surrogate)	BXA0951-BS1	LCS	0.048540	0.050000	mg/kg	97.1		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXA0951-BS1	LCS	0.049400	0.050000	mg/kg	98.8		74 - 121		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA0951	Used client sample: N										
Benzene	MS	1325870-93	ND	0.099680	0.12500	mg/kg		79.7		70 - 130	
	MSD	1325870-93	ND	0.10636	0.12500	mg/kg	6.5	85.1	20	70 - 130	
Bromodichloromethane	MS	1325870-93	ND	0.10494	0.12500	mg/kg		84.0		70 - 130	
	MSD	1325870-93	ND	0.11587	0.12500	mg/kg	9.9	92.7	20	70 - 130	
Chlorobenzene	MS	1325870-93	ND	0.11233	0.12500	mg/kg		89.9		70 - 130	
	MSD	1325870-93	ND	0.12219	0.12500	mg/kg	8.4	97.8	20	70 - 130	
Chloroethane	MS	1325870-93	ND	0.10436	0.12500	mg/kg		83.5		70 - 130	
	MSD	1325870-93	ND	0.11014	0.12500	mg/kg	5.4	88.1	20	70 - 130	
1,4-Dichlorobenzene	MS	1325870-93	ND	0.11580	0.12500	mg/kg		92.6		70 - 130	
	MSD	1325870-93	ND	0.12445	0.12500	mg/kg	7.2	99.6	20	70 - 130	
1,1-Dichloroethane	MS	1325870-93	ND	0.098740	0.12500	mg/kg		79.0		70 - 130	
	MSD	1325870-93	ND	0.10506	0.12500	mg/kg	6.2	84.0	20	70 - 130	
1,1-Dichloroethene	MS	1325870-93	ND	0.10232	0.12500	mg/kg		81.9		70 - 130	
	MSD	1325870-93	ND	0.10949	0.12500	mg/kg	6.8	87.6	20	70 - 130	
Toluene	MS	1325870-93	ND	0.10481	0.12500	mg/kg		83.8		70 - 130	
	MSD	1325870-93	ND	0.11444	0.12500	mg/kg	8.8	91.6	20	70 - 130	
Trichloroethene	MS	1325870-93	ND	0.10578	0.12500	mg/kg		84.6		70 - 130	
	MSD	1325870-93	ND	0.11649	0.12500	mg/kg	9.6	93.2	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1325870-93	ND	0.048990	0.050000	mg/kg		98.0		70 - 121	
	MSD	1325870-93	ND	0.048600	0.050000	mg/kg	0.8	97.2		70 - 121	
Toluene-d8 (Surrogate)	MS	1325870-93	ND	0.048330	0.050000	mg/kg		96.7		81 - 117	
	MSD	1325870-93	ND	0.050300	0.050000	mg/kg	4.0	101		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1325870-93	ND	0.049260	0.050000	mg/kg		98.5		74 - 121	
	MSD	1325870-93	ND	0.050510	0.050000	mg/kg	2.5	101		74 - 121	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1199						
Acenaphthene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BXA1199-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BXA1199-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BXA1199-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BXA1199-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BXA1199-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BXA1199-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BXA1199-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BXA1199-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BXA1199-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BXA1199-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BXA1199-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BXA1199-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BXA1199-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BXA1199-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BXA1199-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BXA1199-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BXA1199-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BXA1199-BLK1	ND	mg/kg	0.10	0.021	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1199						
1,4-Dichlorobenzene	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BXA1199-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BXA1199-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BXA1199-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BXA1199-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BXA1199-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BXA1199-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BXA1199-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BXA1199-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BXA1199-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BXA1199-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BXA1199-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BXA1199-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BXA1199-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BXA1199-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BXA1199-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BXA1199-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BXA1199-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BXA1199-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BXA1199-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BXA1199-BLK1	ND	mg/kg	0.10	0.021	

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Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1199						
N-Nitrosodiphenylamine	BXA1199-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BXA1199-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BXA1199-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BXA1199-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BXA1199-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BXA1199-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BXA1199-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BXA1199-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BXA1199-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BXA1199-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BXA1199-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BXA1199-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BXA1199-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BXA1199-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BXA1199-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	**BXA1199-BLK1**	**122**	%	**28 - 144 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**BXA1199-BLK1**	**89.7**	%	**36 - 136 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**BXA1199-BLK1**	**86.4**	%	**31 - 135 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**BXA1199-BLK1**	**86.0**	%	**20 - 140 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**BXA1199-BLK1**	**81.8**	%	**20 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**BXA1199-BLK1**	**67.0**	%	**30 - 150 (LCL - UCL)**		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1199										
Acenaphthene	BXA1199-BS1	LCS	1.4470	1.6892	mg/kg	85.7		50 - 140		
1,4-Dichlorobenzene	BXA1199-BS1	LCS	1.4493	1.6892	mg/kg	85.8		40 - 140		
2,4-Dinitrotoluene	BXA1199-BS1	LCS	1.4199	1.6892	mg/kg	84.1		40 - 140		
Hexachlorobenzene	BXA1199-BS1	LCS	1.2895	1.6892	mg/kg	76.3		46 - 140		
Hexachlorobutadiene	BXA1199-BS1	LCS	1.2412	1.6892	mg/kg	73.5		40 - 120		
Hexachloroethane	BXA1199-BS1	LCS	1.4264	1.6892	mg/kg	84.4		40 - 120		
Nitrobenzene	BXA1199-BS1	LCS	1.3324	1.6892	mg/kg	78.9		40 - 130		
N-Nitrosodi-N-propylamine	BXA1199-BS1	LCS	1.3497	1.6892	mg/kg	79.9		40 - 120		
Pyrene	BXA1199-BS1	LCS	1.4743	1.6892	mg/kg	87.3		40 - 150		
1,2,4-Trichlorobenzene	BXA1199-BS1	LCS	1.4432	1.6892	mg/kg	85.4		40 - 140		
4-Chloro-3-methylphenol	BXA1199-BS1	LCS	1.0497	1.6892	mg/kg	62.1		40 - 130		
2-Chlorophenol	BXA1199-BS1	LCS	1.4216	1.6892	mg/kg	84.2		40 - 130		
2-Methylphenol	BXA1199-BS1	LCS	1.2696	1.6892	mg/kg	75.2		40 - 140		
3- & 4-Methylphenol	BXA1199-BS1	LCS	1.8858	3.3784	mg/kg	55.8		40 - 120		
4-Nitrophenol	BXA1199-BS1	LCS	0.99088	1.6892	mg/kg	58.7		20 - 120		
Pentachlorophenol	BXA1199-BS1	LCS	0.72399	1.6892	mg/kg	42.9		20 - 130		
Phenol	BXA1199-BS1	LCS	1.1095	1.6892	mg/kg	65.7		40 - 120		
2,4,6-Trichlorophenol	BXA1199-BS1	LCS	1.4618	1.6892	mg/kg	86.5		44 - 130		
2-Fluorophenol (Surrogate)	BXA1199-BS1	LCS	2.6780	2.7027	mg/kg	99.1		28 - 144		
Phenol-d5 (Surrogate)	BXA1199-BS1	LCS	2.2284	2.7027	mg/kg	82.5		36 - 136		
Nitrobenzene-d5 (Surrogate)	BXA1199-BS1	LCS	2.2233	2.7027	mg/kg	82.3		31 - 135		
2-Fluorobiphenyl (Surrogate)	BXA1199-BS1	LCS	2.3169	2.7027	mg/kg	85.7		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BXA1199-BS1	LCS	1.9561	2.7027	mg/kg	72.4		20 - 150		
p-Terphenyl-d14 (Surrogate)	BXA1199-BS1	LCS	1.0209	1.3514	mg/kg	75.5		30 - 150		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1199	Used client sample: N										
Acenaphthene	MS	1401205-06	ND	1.1942	1.6779	mg/kg		71.2		40 - 140	
	MSD	1401205-06	ND	1.1228	1.6722	mg/kg	6.2	67.1	30	40 - 140	
1,4-Dichlorobenzene	MS	1401205-06	ND	1.2193	1.6779	mg/kg		72.7		30 - 150	
	MSD	1401205-06	ND	1.1741	1.6722	mg/kg	3.8	70.2	30	30 - 150	
2,4-Dinitrotoluene	MS	1401205-06	ND	1.2045	1.6779	mg/kg		71.8		30 - 140	
	MSD	1401205-06	ND	1.0834	1.6722	mg/kg	10.6	64.8	30	30 - 140	
Hexachlorobenzene	MS	1401205-06	ND	1.0605	1.6779	mg/kg		63.2		30 - 150	
	MSD	1401205-06	ND	0.92543	1.6722	mg/kg	13.6	55.3	30	30 - 150	
Hexachlorobutadiene	MS	1401205-06	ND	0.98223	1.6779	mg/kg		58.5		20 - 140	
	MSD	1401205-06	ND	0.94265	1.6722	mg/kg	4.1	56.4	30	20 - 140	
Hexachloroethane	MS	1401205-06	ND	1.1388	1.6779	mg/kg		67.9		30 - 140	
	MSD	1401205-06	ND	1.1102	1.6722	mg/kg	2.5	66.4	30	30 - 140	
Nitrobenzene	MS	1401205-06	ND	1.1343	1.6779	mg/kg		67.6		30 - 140	
	MSD	1401205-06	ND	1.1089	1.6722	mg/kg	2.3	66.3	30	30 - 140	
N-Nitrosodi-N-propylamine	MS	1401205-06	ND	1.1858	1.6779	mg/kg		70.7		30 - 120	
	MSD	1401205-06	ND	1.1191	1.6722	mg/kg	5.8	66.9	30	30 - 120	
Pyrene	MS	1401205-06	ND	1.1401	1.6779	mg/kg		67.9		40 - 150	
	MSD	1401205-06	ND	1.0609	1.6722	mg/kg	7.2	63.4	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1401205-06	ND	1.1858	1.6779	mg/kg		70.7		30 - 150	
	MSD	1401205-06	ND	1.1526	1.6722	mg/kg	2.8	68.9	30	30 - 150	
4-Chloro-3-methylphenol	MS	1401205-06	ND	0.78217	1.6779	mg/kg		46.6		40 - 130	
	MSD	1401205-06	ND	0.84895	1.6722	mg/kg	8.2	50.8	30	40 - 130	
2-Chlorophenol	MS	1401205-06	ND	1.3633	1.6779	mg/kg		81.3		40 - 130	
	MSD	1401205-06	ND	1.2794	1.6722	mg/kg	6.4	76.5	30	40 - 130	
2-Methylphenol	MS	1401205-06	ND	1.1584	1.6779	mg/kg		69.0		30 - 140	
	MSD	1401205-06	ND	1.1155	1.6722	mg/kg	3.8	66.7	30	30 - 140	
3- & 4-Methylphenol	MS	1401205-06	ND	1.9506	3.3557	mg/kg		58.1		40 - 130	
	MSD	1401205-06	ND	1.8433	3.3445	mg/kg	5.7	55.1	30	40 - 130	
4-Nitrophenol	MS	1401205-06	ND	1.2035	1.6779	mg/kg		71.7		20 - 140	
	MSD	1401205-06	ND	1.1122	1.6722	mg/kg	7.9	66.5	30	20 - 140	
Pentachlorophenol	MS	1401205-06	ND	1.0380	1.6779	mg/kg		61.9		20 - 130	
	MSD	1401205-06	ND	0.87776	1.6722	mg/kg	16.7	52.5	30	20 - 130	
Phenol	MS	1401205-06	ND	1.0537	1.6779	mg/kg		62.8		30 - 130	
	MSD	1401205-06	ND	0.98205	1.6722	mg/kg	7.0	58.7	30	30 - 130	
2,4,6-Trichlorophenol	MS	1401205-06	ND	1.5479	1.6779	mg/kg		92.3		40 - 140	
	MSD	1401205-06	ND	1.3843	1.6722	mg/kg	11.2	82.8	30	40 - 140	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1199	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1401205-06	ND	2.7019	2.6846	mg/kg		101		28 - 144	
	MSD	1401205-06	ND	2.5389	2.6756	mg/kg	6.2	94.9		28 - 144	
Phenol-d5 (Surrogate)	MS	1401205-06	ND	2.1487	2.6846	mg/kg		80.0		36 - 136	
	MSD	1401205-06	ND	1.9893	2.6756	mg/kg	7.7	74.3		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1401205-06	ND	1.9783	2.6846	mg/kg		73.7		31 - 135	
	MSD	1401205-06	ND	1.8856	2.6756	mg/kg	4.8	70.5		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1401205-06	ND	1.9738	2.6846	mg/kg		73.5		20 - 140	
	MSD	1401205-06	ND	1.8241	2.6756	mg/kg	7.9	68.2		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1401205-06	ND	2.1877	2.6846	mg/kg		81.5		20 - 150	
	MSD	1401205-06	ND	1.9323	2.6756	mg/kg	12.4	72.2		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1401205-06	ND	0.80472	1.3423	mg/kg		60.0		30 - 150	
	MSD	1401205-06	ND	0.69068	1.3378	mg/kg	15.3	51.6		30 - 150	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1082						
Gasoline Range Organics (C4 - C12)	BXA1082-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	**BXA1082-BLK1**	**97.5**	%	**70 - 130 (LCL - UCL)**		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1082										
Gasoline Range Organics (C4 - C12)	BXA1082-BS1	LCS	5.4900	5.0000	mg/kg	110		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXA1082-BS1	LCS	0.038000	0.040000	mg/kg	95.0		70 - 130		

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1082	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1400811-42	ND	5.3100	5.0000	mg/kg		106		70 - 130	
	MSD	1400811-42	ND	5.5980	5.0000	mg/kg	5.3	112	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-42	ND	0.041000	0.040000	mg/kg		102		70 - 130	
	MSD	1400811-42	ND	0.042000	0.040000	mg/kg	2.4	105		70 - 130	

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1084						
TPH - C8 - C9	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXA1084-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXA1084-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXA1084-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	**BXA1084-BLK1**	**88.0**	%	**20 - 145 (LCL - UCL)**		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1084										
TPH - Diesel (FFP)	BXA1084-BS1	LCS	69.806	82.508	mg/kg	84.6		64 - 124		
Tetracosane (Surrogate)	BXA1084-BS1	LCS	3.4718	3.3003	mg/kg	105		20 - 145		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1084	Used client sample: N										
TPH - Diesel (FFP)	MS	1325870-90	ND	66.933	84.459	mg/kg		79.2		52 - 131	
	MSD	1325870-90	ND	67.118	84.175	mg/kg	0.3	79.7	30	52 - 131	
Tetracosane (Surrogate)	MS	1325870-90	ND	3.2463	3.3784	mg/kg		96.1		20 - 145	
	MSD	1325870-90	ND	3.1894	3.3670	mg/kg	1.8	94.7		20 - 145	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1251						
Antimony	BXA1251-BLK1	ND	mg/L	1.0	0.17	
Arsenic	BXA1251-BLK1	ND	mg/L	0.20	0.12	
Barium	**BXA1251-BLK1**	**0.030647**	**mg/L**	**0.10**	**0.014**	**J**
Beryllium	BXA1251-BLK1	ND	mg/L	0.10	0.0045	
Cadmium	BXA1251-BLK1	ND	mg/L	0.10	0.010	
Chromium	**BXA1251-BLK1**	**0.010029**	**mg/L**	**0.10**	**0.0092**	**J**
Cobalt	BXA1251-BLK1	ND	mg/L	0.50	0.011	
Copper	BXA1251-BLK1	ND	mg/L	0.10	0.012	
Lead	BXA1251-BLK1	ND	mg/L	0.50	0.16	
Molybdenum	BXA1251-BLK1	ND	mg/L	0.50	0.012	
Nickel	**BXA1251-BLK1**	**0.027820**	**mg/L**	**0.10**	**0.026**	**J**
Selenium	**BXA1251-BLK1**	**0.19918**	**mg/L**	**0.20**	**0.11**	**J**
Silver	BXA1251-BLK1	ND	mg/L	0.10	0.025	
Thallium	BXA1251-BLK1	ND	mg/L	1.0	0.16	
Vanadium	BXA1251-BLK1	ND	mg/L	0.10	0.0092	
Zinc	**BXA1251-BLK1**	**0.057834**	**mg/L**	**0.50**	**0.016**	**J**
QC Batch ID: BXA1331						
Mercury	BXA1331-BLK1	ND	mg/L	0.0020	0.00030	

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1251										
Antimony	BXA1251-BS1	LCS	17.734	20.000	mg/L	88.7		85 - 115		
Arsenic	BXA1251-BS1	LCS	1.9970	2.0000	mg/L	99.9		85 - 115		
Barium	BXA1251-BS1	LCS	18.238	20.000	mg/L	91.2		85 - 115		
Beryllium	BXA1251-BS1	LCS	1.8587	2.0000	mg/L	92.9		85 - 115		
Cadmium	BXA1251-BS1	LCS	1.9090	2.0000	mg/L	95.4		85 - 115		
Chromium	BXA1251-BS1	LCS	18.268	20.000	mg/L	91.3		85 - 115		
Cobalt	BXA1251-BS1	LCS	18.557	20.000	mg/L	92.8		85 - 115		
Copper	BXA1251-BS1	LCS	19.236	20.000	mg/L	96.2		85 - 115		
Lead	BXA1251-BS1	LCS	19.124	20.000	mg/L	95.6		85 - 115		
Molybdenum	BXA1251-BS1	LCS	19.033	20.000	mg/L	95.2		85 - 115		
Nickel	BXA1251-BS1	LCS	18.223	20.000	mg/L	91.1		85 - 115		
Selenium	BXA1251-BS1	LCS	2.2275	2.0000	mg/L	111		85 - 115		
Silver	BXA1251-BS1	LCS	1.8591	2.0000	mg/L	93.0		85 - 115		
Thallium	BXA1251-BS1	LCS	18.453	20.000	mg/L	92.3		85 - 115		
Vanadium	BXA1251-BS1	LCS	18.332	20.000	mg/L	91.7		85 - 115		
Zinc	BXA1251-BS1	LCS	19.438	20.000	mg/L	97.2		85 - 115		
QC Batch ID: BXA1331										
Mercury	BXA1331-BS1	LCS	0.0088000	0.010000	mg/L	88.0		85 - 115		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1251	Used client sample: Y - Description: CSS-2, 01/14/2014 14:00										
Antimony	DUP	1401167-02	2.7475	2.7015		mg/L	1.7		20		
	MS	1401167-02	2.7475	21.622	20.408	mg/L		92.5		75 - 125	
	MSD	1401167-02	2.7475	22.059	20.408	mg/L	2.0	94.6	20	75 - 125	
Arsenic	DUP	1401167-02	0.73649	0.74321		mg/L	0.9		20		
	MS	1401167-02	0.73649	2.7950	2.0408	mg/L		101		75 - 125	
	MSD	1401167-02	0.73649	2.8526	2.0408	mg/L	2.0	104	20	75 - 125	
Barium	DUP	1401167-02	5.8294	5.6236		mg/L	3.6		20		
	MS	1401167-02	5.8294	25.197	20.408	mg/L		94.9		75 - 125	
	MSD	1401167-02	5.8294	25.437	20.408	mg/L	0.9	96.1	20	75 - 125	
Beryllium	DUP	1401167-02	0.0069080	0.0073484		mg/L	6.2		20		J
	MS	1401167-02	0.0069080	2.0132	2.0408	mg/L		98.3		75 - 125	
	MSD	1401167-02	0.0069080	2.0359	2.0408	mg/L	1.1	99.4	20	75 - 125	
Cadmium	DUP	1401167-02	0.049713	0.046110		mg/L	7.5		20		J
	MS	1401167-02	0.049713	2.0791	2.0408	mg/L		99.4		75 - 125	
	MSD	1401167-02	0.049713	2.1134	2.0408	mg/L	1.6	101	20	75 - 125	
Chromium	DUP	1401167-02	0.30202	0.30111		mg/L	0.3		20		
	MS	1401167-02	0.30202	19.449	20.408	mg/L		93.8		75 - 125	
	MSD	1401167-02	0.30202	19.977	20.408	mg/L	2.7	96.4	20	75 - 125	
Cobalt	DUP	1401167-02	0.20650	0.20329		mg/L	1.6		20		J
	MS	1401167-02	0.20650	19.973	20.408	mg/L		96.9		75 - 125	
	MSD	1401167-02	0.20650	20.503	20.408	mg/L	2.6	99.5	20	75 - 125	
Copper	DUP	1401167-02	0.050686	0.052753		mg/L	4.0		20		J
	MS	1401167-02	0.050686	20.980	20.408	mg/L		103		75 - 125	
	MSD	1401167-02	0.050686	20.983	20.408	mg/L	0.0	103	20	75 - 125	
Lead	DUP	1401167-02	27.078	27.408		mg/L	1.2		20		
	MS	1401167-02	27.078	47.109	20.408	mg/L		98.1		75 - 125	
	MSD	1401167-02	27.078	48.031	20.408	mg/L	1.9	103	20	75 - 125	
Molybdenum	DUP	1401167-02	0.15795	0.16465		mg/L	4.1		20		J
	MS	1401167-02	0.15795	20.256	20.408	mg/L		98.5		75 - 125	
	MSD	1401167-02	0.15795	20.820	20.408	mg/L	2.7	101	20	75 - 125	
Nickel	DUP	1401167-02	0.46388	0.45593		mg/L	1.7		20		
	MS	1401167-02	0.46388	19.328	20.408	mg/L		92.4		75 - 125	
	MSD	1401167-02	0.46388	19.916	20.408	mg/L	3.0	95.3	20	75 - 125	
Selenium	DUP	1401167-02	ND	ND		mg/L			20		
	MS	1401167-02	ND	2.1201	2.0408	mg/L		104		75 - 125	
	MSD	1401167-02	ND	2.1152	2.0408	mg/L	0.2	104	20	75 - 125	
Silver	DUP	1401167-02	ND	ND		mg/L			20		
	MS	1401167-02	ND	1.9981	2.0408	mg/L		97.9		75 - 125	
	MSD	1401167-02	ND	2.0505	2.0408	mg/L	2.6	100	20	75 - 125	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1251	Used client sample: Y - Description: CSS-2, 01/14/2014 14:00										
Thallium	DUP	1401167-02	ND	ND		mg/L			20		
	MS	1401167-02	ND	19.361	20.408	mg/L		94.9		75 - 125	
	MSD	1401167-02	ND	19.660	20.408	mg/L	1.5	96.3	20	75 - 125	
Vanadium	DUP	1401167-02	0.52088	0.52465		mg/L	0.7		20		
	MS	1401167-02	0.52088	20.295	20.408	mg/L		96.9		75 - 125	
	MSD	1401167-02	0.52088	20.458	20.408	mg/L	0.8	97.7	20	75 - 125	
Zinc	DUP	1401167-02	28.369	28.588		mg/L	0.8		20		
	MS	1401167-02	28.369	48.088	20.408	mg/L		96.6		75 - 125	
	MSD	1401167-02	28.369	49.727	20.408	mg/L	3.4	105	20	75 - 125	
QC Batch ID: BXA1331	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Mercury	DUP	1401167-01	ND	ND		mg/L			20		
	MS	1401167-01	ND	0.0098250	0.010000	mg/L		98.2		70 - 130	
	MSD	1401167-01	ND	0.0099750	0.010000	mg/L	1.5	99.8	20	70 - 130	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1078						
Mercury	BXA1078-BLK1	ND	mg/L	0.0020	0.00030	
QC Batch ID: BXA1099						
Arsenic	BXA1099-BLK1	ND	mg/L	0.20	0.083	
Barium	BXA1099-BLK1	ND	mg/L	0.10	0.034	
Cadmium	BXA1099-BLK1	ND	mg/L	0.10	0.0051	
Chromium	BXA1099-BLK1	ND	mg/L	0.10	0.0075	
Lead	**BXA1099-BLK1**	**0.045182**	**mg/L**	**0.50**	**0.030**	**J**
Selenium	BXA1099-BLK1	ND	mg/L	0.20	0.11	
Silver	BXA1099-BLK1	ND	mg/L	0.10	0.0083	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1078										
Mercury	BXA1078-BS1	LCS	0.00096750	0.0010000	mg/L	96.8		85 - 115		
QC Batch ID: BXA1099										
Arsenic	BXA1099-BS1	LCS	1.9590	2.0000	mg/L	98.0		85 - 115		
Barium	BXA1099-BS1	LCS	20.830	20.000	mg/L	104		85 - 115		
Cadmium	BXA1099-BS1	LCS	1.9955	2.0000	mg/L	99.8		85 - 115		
Chromium	BXA1099-BS1	LCS	19.624	20.000	mg/L	98.1		85 - 115		
Lead	BXA1099-BS1	LCS	21.888	20.000	mg/L	109		85 - 115		
Selenium	BXA1099-BS1	LCS	2.0144	2.0000	mg/L	101		85 - 115		
Silver	BXA1099-BS1	LCS	1.9696	2.0000	mg/L	98.5		85 - 115		

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1078	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Mercury	DUP	1401167-01	ND	ND		mg/L			20		
	MS	1401167-01	ND	0.010250	0.010000	mg/L		102		70 - 130	
	MSD	1401167-01	ND	0.010000	0.010000	mg/L	2.5	100	20	70 - 130	
QC Batch ID: BXA1099	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Arsenic	DUP	1401167-01	ND	ND		mg/L			20		
	MS	1401167-01	ND	2.0416	2.0000	mg/L		102		75 - 125	
	MSD	1401167-01	ND	2.0536	2.0000	mg/L	0.6	103	20	75 - 125	
Barium	DUP	1401167-01	0.78349	0.78901		mg/L	0.7		20		
	MS	1401167-01	0.78349	21.880	20.000	mg/L		105		75 - 125	
	MSD	1401167-01	0.78349	21.779	20.000	mg/L	0.5	105	20	75 - 125	
Cadmium	DUP	1401167-01	0.016398	0.014749		mg/L	10.6		20		J
	MS	1401167-01	0.016398	2.0505	2.0000	mg/L		102		75 - 125	
	MSD	1401167-01	0.016398	2.0519	2.0000	mg/L	0.1	102	20	75 - 125	
Chromium	DUP	1401167-01	0.0092900	ND		mg/L			20		
	MS	1401167-01	0.0092900	19.792	20.000	mg/L		98.9		75 - 125	
	MSD	1401167-01	0.0092900	19.597	20.000	mg/L	1.0	97.9	20	75 - 125	
Lead	DUP	1401167-01	0.78838	0.73434		mg/L	7.1		20		
	MS	1401167-01	0.78838	21.582	20.000	mg/L		104		75 - 125	
	MSD	1401167-01	0.78838	22.301	20.000	mg/L	3.3	108	20	75 - 125	
Selenium	DUP	1401167-01	ND	ND		mg/L			20		
	MS	1401167-01	ND	2.1132	2.0000	mg/L		106		75 - 125	
	MSD	1401167-01	ND	2.0311	2.0000	mg/L	4.0	102	20	75 - 125	
Silver	DUP	1401167-01	ND	ND		mg/L			20		
	MS	1401167-01	ND	1.9984	2.0000	mg/L		99.9		75 - 125	
	MSD	1401167-01	ND	2.0093	2.0000	mg/L	0.5	100	20	75 - 125	

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Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1104						
Antimony	BXA1104-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXA1104-BLK1	ND	mg/kg	1.0	0.40	
Barium	BXA1104-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BXA1104-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXA1104-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXA1104-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXA1104-BLK1	ND	mg/kg	2.5	0.098	
Copper	BXA1104-BLK1	ND	mg/kg	1.0	0.050	
Lead	BXA1104-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BXA1104-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BXA1104-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXA1104-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXA1104-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXA1104-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXA1104-BLK1	ND	mg/kg	0.50	0.11	
Zinc	**BXA1104-BLK1**	**0.16114**	**mg/kg**	**2.5**	**0.087**	**J**
QC Batch ID: BXA1109						
Mercury	BXA1109-BLK1	ND	mg/kg	0.16	0.025	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1104										
Antimony	BXA1104-BS1	LCS	89.943	100.00	mg/kg	89.9		75 - 125		
Arsenic	BXA1104-BS1	LCS	9.5074	10.000	mg/kg	95.1		75 - 125		
Barium	BXA1104-BS1	LCS	101.68	100.00	mg/kg	102		75 - 125		
Beryllium	BXA1104-BS1	LCS	9.7110	10.000	mg/kg	97.1		75 - 125		
Cadmium	BXA1104-BS1	LCS	9.5751	10.000	mg/kg	95.8		75 - 125		
Chromium	BXA1104-BS1	LCS	95.837	100.00	mg/kg	95.8		75 - 125		
Cobalt	BXA1104-BS1	LCS	99.230	100.00	mg/kg	99.2		75 - 125		
Copper	BXA1104-BS1	LCS	94.492	100.00	mg/kg	94.5		75 - 125		
Lead	BXA1104-BS1	LCS	102.69	100.00	mg/kg	103		75 - 125		
Molybdenum	BXA1104-BS1	LCS	97.447	100.00	mg/kg	97.4		75 - 125		
Nickel	BXA1104-BS1	LCS	99.696	100.00	mg/kg	99.7		75 - 125		
Selenium	BXA1104-BS1	LCS	9.4227	10.000	mg/kg	94.2		75 - 125		
Silver	BXA1104-BS1	LCS	9.6455	10.000	mg/kg	96.5		75 - 125		
Thallium	BXA1104-BS1	LCS	100.52	100.00	mg/kg	101		75 - 125		
Vanadium	BXA1104-BS1	LCS	93.170	100.00	mg/kg	93.2		75 - 125		
Zinc	BXA1104-BS1	LCS	99.502	100.00	mg/kg	99.5		75 - 125		
QC Batch ID: BXA1109										
Mercury	BXA1109-BS1	LCS	0.83120	0.80000	mg/kg	104		80 - 120		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1104	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Antimony	DUP	1401167-01	1.7459	1.7577		mg/kg	0.7		20		J
	MS	1401167-01	1.7459	26.605	99.010	mg/kg		25.1		16 - 119	
	MSD	1401167-01	1.7459	26.875	99.010	mg/kg	1.0	25.4	20	16 - 119	
Arsenic	DUP	**1401167-01**	**9.8359**	**8.7135**		**mg/kg**	**12.1**		**20**		
	MS	**1401167-01**	**9.8359**	**25.015**	**9.9010**	**mg/kg**		**153**		**75 - 125**	**Q03**
	MSD	**1401167-01**	**9.8359**	**17.409**	**9.9010**	**mg/kg**	**35.9**	**76.5**	**20**	**75 - 125**	**Q02**
Barium	DUP	1401167-01	154.33	154.20		mg/kg	0.1		20		
	MS	1401167-01	154.33	243.89	99.010	mg/kg		90.5		75 - 125	
	MSD	1401167-01	154.33	264.09	99.010	mg/kg	8.0	111	20	75 - 125	
Beryllium	DUP	1401167-01	0.31921	0.31963		mg/kg	0.1		20		J
	MS	1401167-01	0.31921	9.5881	9.9010	mg/kg		93.6		75 - 125	
	MSD	1401167-01	0.31921	9.4763	9.9010	mg/kg	1.2	92.5	20	75 - 125	
Cadmium	DUP	1401167-01	1.1458	1.1231		mg/kg	2.0		20		
	MS	1401167-01	1.1458	10.283	9.9010	mg/kg		92.3		75 - 125	
	MSD	1401167-01	1.1458	10.485	9.9010	mg/kg	1.9	94.3	20	75 - 125	
Chromium	DUP	1401167-01	25.029	24.809		mg/kg	0.9		20		
	MS	1401167-01	25.029	112.05	99.010	mg/kg		87.9		75 - 125	
	MSD	1401167-01	25.029	114.58	99.010	mg/kg	2.2	90.4	20	75 - 125	
Cobalt	DUP	1401167-01	7.6868	7.6261		mg/kg	0.8		20		
	MS	1401167-01	7.6868	95.266	99.010	mg/kg		88.5		75 - 125	
	MSD	1401167-01	7.6868	94.310	99.010	mg/kg	1.0	87.5	20	75 - 125	
Copper	DUP	1401167-01	74.107	73.862		mg/kg	0.3		20		
	MS	1401167-01	74.107	170.33	99.010	mg/kg		97.2		75 - 125	
	MSD	1401167-01	74.107	173.56	99.010	mg/kg	1.9	100	20	75 - 125	
Lead	DUP	1401167-01	156.48	152.57		mg/kg	2.5		20		
	MS	1401167-01	156.48	257.98	99.010	mg/kg		103		75 - 125	
	MSD	1401167-01	156.48	250.51	99.010	mg/kg	2.9	95.0	20	75 - 125	
Molybdenum	DUP	1401167-01	1.4040	1.5685		mg/kg	11.1		20		J
	MS	1401167-01	1.4040	88.547	99.010	mg/kg		88.0		75 - 125	
	MSD	1401167-01	1.4040	88.323	99.010	mg/kg	0.3	87.8	20	75 - 125	
Nickel	DUP	1401167-01	18.504	18.312		mg/kg	1.0		20		
	MS	1401167-01	18.504	106.99	99.010	mg/kg		89.4		75 - 125	
	MSD	1401167-01	18.504	104.85	99.010	mg/kg	2.0	87.2	20	75 - 125	
Selenium	DUP	1401167-01	2.9577	3.4013		mg/kg	14.0		20		
	MS	1401167-01	2.9577	12.593	9.9010	mg/kg		97.3		75 - 125	
	MSD	1401167-01	2.9577	12.516	9.9010	mg/kg	0.6	96.5	20	75 - 125	
Silver	DUP	1401167-01	0.44628	0.40782		mg/kg	9.0		20		J
	MS	1401167-01	0.44628	11.412	9.9010	mg/kg		111		75 - 125	
	MSD	1401167-01	0.44628	9.7024	9.9010	mg/kg	16.2	93.5	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1104	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Thallium	DUP	1401167-01	2.3820	1.9659		mg/kg	19.1		20		J
	MS	1401167-01	2.3820	89.114	99.010	mg/kg		87.6		75 - 125	
	MSD	1401167-01	2.3820	89.913	99.010	mg/kg	0.9	88.4	20	75 - 125	
Vanadium	DUP	1401167-01	29.854	29.540		mg/kg	1.1		20		
	MS	1401167-01	29.854	121.91	99.010	mg/kg		93.0		75 - 125	
	MSD	1401167-01	29.854	118.85	99.010	mg/kg	2.5	89.9	20	75 - 125	
Zinc	DUP	**1401167-01**	**374.10**	**372.57**		**mg/kg**	**0.4**		**20**		
	MS	**1401167-01**	**374.10**	**429.52**	**99.010**	**mg/kg**		**56.0**		**75 - 125**	**Q03**
	MSD	**1401167-01**	**374.10**	**464.51**	**99.010**	**mg/kg**	**7.8**	**91.3**	**20**	**75 - 125**	
QC Batch ID: BXA1109	Used client sample: N										
Mercury	DUP	1401128-01	ND	ND		mg/kg			20		
	MS	1401128-01	ND	0.77113	0.80645	mg/kg		95.6		80 - 120	
	MSD	1401128-01	ND	0.82016	0.80645	mg/kg	6.2	102	20	80 - 120	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/27/2014 11:18
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A10	PQL's and MDL's were raised due to matrix interference.
A17	Surrogate not reportable due to sample dilution.
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.

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BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/23/2014

David Lennon

TRC
123 Technology Drive
Irvine, CA 92618

Client Project:	203004
BCL Project:	Gage Ave Landfill
BCL Work Order:	1401291
Invoice ID:	B164801

Enclosed are the results of analyses for samples received by the laboratory on 1/16/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Chain of Custody and Cooler Receipt Form for 1401291 Page 1 of 2

Chain of Custody Form

Page 1 of 1

Report To: Client: TRC	Project #: 203004
Attn: David Lennon	Project Name: Gage Ave. Landfill
Street Address: 123 Technology Dr.	
City, State, Zip: Irvine, CA 92618	Sampler(s): R. Lordahl
Phone: 949-727-9336 Fax: 949-727-3022	J. Ferrara
Email Address: dlennon@trcsolutions.com	
Work Order #: 14-01291	

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	EPA 8015 Crown Chain	TTLC Metals T-HC-22	EPA 8081 Organochlorine Pesticides + PCBs	EPA 8260 Halogenated & Aromatics	EPA 8270 Acid Extractables & Base/Neutrals	Luft Method TPH (Gas)	Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	# of Containers	Turnaround # of work days*	Notes
-1	TP-1-23	1/16/14	1150	X	X	X	X	X	X	X						2	5	
-2	TP-1-26	1/16/14	1155							X						2	5	Hold
-3	TP-2-23	1/16/14	1205	X	X	X	X	X	X	X						2	5	
-4	TP-2-26	1/16/14	1215							X						2	5	Hold

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: KIQ

DISTRIBUTION: MA RTL RLP JKR SLM SUB-OUT ☐

Billing ☒ Same as above

Client:

Address:

City: State: Zip:

Attn:

PO#: C203004

EDF Required? Geotracker ☐ Yes ☒ No

Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)

System # (Needed for EDT)

	Relinquished By	Date	Time	Received By	Date	Time
1.		1/16/14	1330		1-16-14	1330
2.		1-16-14	1825		1.16.14	1825
3.						

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4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Chain of Custody and Cooler Receipt Form for 1401291 Page 2 of 2

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 14-0128 SAS 1.16 #: 14-01291

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery	Ice Chest ☑ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Other ☐ (Specify)_____	

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0 Container: Soil Sleeve Thermometer ID: 82 Date/Time 1.16.14 1825

Temperature: (A) 2.3 °C / (C) 2.8 °C Analyst Init SAS

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	AB	AB	AB	AB						
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By: SAS Date/Time: 1.16.14 1900

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1401291-01	**COC Number:**	---	**Receive Date:**	01/16/2014 18:25
	Project Number:	Gage Ave	**Sampling Date:**	01/16/2014 11:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TP-1-23	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	TP-1-23
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401291-02	**COC Number:**	---	**Receive Date:**	01/16/2014 18:25
	Project Number:	Gage Ave	**Sampling Date:**	01/16/2014 11:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TP-1-26	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	TP-1-26
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401291-03	**COC Number:**	---	**Receive Date:**	01/16/2014 18:25
	Project Number:	Gage Ave	**Sampling Date:**	01/16/2014 12:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TP-2-23	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	TP-2-23
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

1401291-04

COC Number: ---
Project Number: Gage Ave
Sampling Location: ---
Sampling Point: TP-2-26
Sampled By: TRCI

Receive Date: 01/16/2014 18:25
Sampling Date: 01/16/2014 12:15
Sample Depth: ---
Lab Matrix: Solids
Sample Type: Soil
Delivery Work Order:
Global ID:
Location ID (FieldPoint): TP-2-26
Matrix: SO
Sample QC Type (SACode): CS
Cooler ID:

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	85.6	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	97.5	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/20/14	01/22/14 05:03	VH1	GC-14	1.010	BXA1275

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	97.5	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.4	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/20/14	01/22/14 13:34	AA1	MS-V3	1	BXA1003

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	82.8	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	101	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	82.4	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	67.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	87.5	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	83.6	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/20/14	01/23/14 00:03	SKC	MS-B1	1.010	BXA1309

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/22/14	01/22/14 22:40	JJH	GC-V8	1	BXA1440

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	81.2	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/20/14	01/21/14 23:51	MWB	GC-2	1.014	BXA1276

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401291-01 | **Client Sample Name:** Gage Ave, TP-1-23, 1/16/2014 11:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.60**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**0.68**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND	**J**	1
Barium	**37**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	ND		1
Beryllium	**0.12**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**7.7**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**3.2**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**6.3**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	ND		1
Lead	**1.5**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND	**J**	1
Mercury	ND	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	**0.10**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**5.5**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**13**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**19**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.16		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/17/14	01/20/14 08:21	ARD	PE-OP1	0.990	BXA1104
2	EPA-7471A	01/20/14	01/21/14 10:36	MEV	CETAC1	0.977	BXA1218

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	86.2	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	82.6	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/20/14	01/22/14 05:17	VH1	GC-14	1.010	BXA1275

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123 Technology Drive
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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.8	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/20/14	01/22/14 14:00	AA1	MS-V3	1	BXA1003

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	**0.16**	**mg/kg**	**0.10**	**0.018**	**EPA-8270C**	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	79.4	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	94.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	76.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	55.9	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	82.0	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	79.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/20/14	01/23/14 00:30	SKC	MS-B1	0.957	BXA1309

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/22/14	01/22/14 23:11	JJH	GC-V8	1	BXA1440

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	68.4	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/20/14	01/22/14 00:14	MWB	GC-2	0.993	BXA1276

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Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401291-03 | **Client Sample Name:** Gage Ave, TP-2-23, 1/16/2014 12:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.65**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**0.86**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND	**J**	1
Barium	**51**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	ND		1
Beryllium	**0.18**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**11**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**4.7**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**11**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	ND		1
Lead	**2.1**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND	**J**	1
Mercury	ND	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	**0.073**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**8.2**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**2.0**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**1.5**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	ND	**J**	1
Vanadium	**20**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**29**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.16		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/17/14	01/20/14 08:23	ARD	PE-OP1	0.980	BXA1104
2	EPA-7471A	01/20/14	01/21/14 10:39	MEV	CETAC1	1.008	BXA1218

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1275						
Aldrin	BXA1275-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BXA1275-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BXA1275-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BXA1275-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BXA1275-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BXA1275-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BXA1275-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BXA1275-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BXA1275-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BXA1275-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BXA1275-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BXA1275-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BXA1275-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BXA1275-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BXA1275-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BXA1275-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BXA1275-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BXA1275-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BXA1275-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BXA1275-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BXA1275-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BXA1275-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BXA1275-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BXA1275-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BXA1275-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BXA1275-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BXA1275-BLK1	ND	mg/kg	0.010	0.0050	
TCMX (Surrogate)	**BXA1275-BLK1**	**99.3**	%	**20 - 140 (LCL - UCL)**		
Decachlorobiphenyl (Surrogate)	**BXA1275-BLK1**	**102**	%	**20 - 140 (LCL - UCL)**		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1275										
Aldrin	BXA1275-BS1	LCS	0.0049662	0.0050167	mg/kg	99.0		70 - 130		
gamma-BHC (Lindane)	BXA1275-BS1	LCS	0.0051542	0.0050167	mg/kg	103		60 - 140		
4,4'-DDT	BXA1275-BS1	LCS	0.0054074	0.0050167	mg/kg	108		60 - 140		
Dieldrin	BXA1275-BS1	LCS	0.0051559	0.0050167	mg/kg	103		70 - 130		
Endrin	BXA1275-BS1	LCS	0.0050334	0.0050167	mg/kg	100		60 - 140		
Heptachlor	BXA1275-BS1	LCS	0.0052117	0.0050167	mg/kg	104		40 - 140		
TCMX (Surrogate)	BXA1275-BS1	LCS	0.0097532	0.010033	mg/kg	97.2		20 - 140		
Decachlorobiphenyl (Surrogate)	BXA1275-BS1	LCS	0.047488	0.050167	mg/kg	94.7		20 - 140		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1275	Used client sample: N										
Aldrin	MS	1325870-78	ND	0.0050510	0.0050676	mg/kg		99.7		30 - 140	
	MSD	1325870-78	ND	0.0039281	0.0049669	mg/kg	25.0	79.1	30	30 - 140	
gamma-BHC (Lindane)	MS	1325870-78	ND	0.0051963	0.0050676	mg/kg		103		30 - 140	
	MSD	1325870-78	ND	0.0039570	0.0049669	mg/kg	27.1	79.7	30	30 - 140	
4,4'-DDT	MS	1325870-78	ND	0.0055672	0.0050676	mg/kg		110		30 - 140	
	MSD	1325870-78	ND	0.0041185	0.0049669	mg/kg	29.9	82.9	30	30 - 140	
Dieldrin	MS	1325870-78	ND	0.0052791	0.0050676	mg/kg		104		40 - 140	
	MSD	1325870-78	ND	0.0040573	0.0049669	mg/kg	26.2	81.7	30	40 - 140	
Endrin	MS	1325870-78	ND	0.0051986	0.0050676	mg/kg		103		30 - 150	
	MSD	1325870-78	ND	0.0039281	0.0049669	mg/kg	27.8	79.1	30	30 - 150	
Heptachlor	MS	1325870-78	ND	0.0052801	0.0050676	mg/kg		104		70 - 130	
	MSD	1325870-78	ND	0.0042328	0.0049669	mg/kg	22.0	85.2	30	70 - 130	
TCMX (Surrogate)	MS	1325870-78	ND	0.0097635	0.010135	mg/kg		96.3		20 - 140	
	MSD	1325870-78	ND	0.0078328	0.0099338	mg/kg	21.9	78.8		20 - 140	
Decachlorobiphenyl (Surrogate)	MS	1325870-78	ND	0.048456	0.050676	mg/kg		95.6		20 - 140	
	MSD	1325870-78	ND	0.038506	0.049669	mg/kg	22.9	77.5		20 - 140	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1003						
Benzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXA1003-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXA1003-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXA1003-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1003						
trans-1,3-Dichloropropene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXA1003-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXA1003-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXA1003-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXA1003-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXA1003-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXA1003-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BXA1003-BLK1**	**95.2**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXA1003-BLK1**	**97.5**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXA1003-BLK1**	**91.0**	%	**74 - 121 (LCL - UCL)**		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1003										
Benzene	BXA1003-BS1	LCS	0.10116	0.12500	mg/kg	80.9		70 - 130		
Bromodichloromethane	BXA1003-BS1	LCS	0.11609	0.12500	mg/kg	92.9		70 - 130		
Chlorobenzene	BXA1003-BS1	LCS	0.12152	0.12500	mg/kg	97.2		70 - 130		
Chloroethane	BXA1003-BS1	LCS	0.10137	0.12500	mg/kg	81.1		70 - 130		
1,4-Dichlorobenzene	BXA1003-BS1	LCS	0.12724	0.12500	mg/kg	102		70 - 130		
1,1-Dichloroethane	BXA1003-BS1	LCS	0.10036	0.12500	mg/kg	80.3		70 - 130		
1,1-Dichloroethene	BXA1003-BS1	LCS	0.099010	0.12500	mg/kg	79.2		70 - 130		
Toluene	BXA1003-BS1	LCS	0.10721	0.12500	mg/kg	85.8		70 - 130		
Trichloroethene	BXA1003-BS1	LCS	0.10798	0.12500	mg/kg	86.4		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXA1003-BS1	LCS	0.045770	0.050000	mg/kg	91.5		70 - 121		
Toluene-d8 (Surrogate)	BXA1003-BS1	LCS	0.048590	0.050000	mg/kg	97.2		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXA1003-BS1	LCS	0.049670	0.050000	mg/kg	99.3		74 - 121		

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Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1003	Used client sample: N										
Benzene	MS	1325794-57	ND	0.098110	0.12500	mg/kg		78.5		70 - 130	
	MSD	1325794-57	ND	0.097940	0.12500	mg/kg	0.2	78.4	20	70 - 130	
Bromodichloromethane	MS	1325794-57	ND	0.10432	0.12500	mg/kg		83.5		70 - 130	
	MSD	1325794-57	ND	0.11025	0.12500	mg/kg	5.5	88.2	20	70 - 130	
Chlorobenzene	MS	1325794-57	ND	0.10844	0.12500	mg/kg		86.8		70 - 130	
	MSD	1325794-57	ND	0.11843	0.12500	mg/kg	8.8	94.7	20	70 - 130	
Chloroethane	MS	1325794-57	ND	0.098720	0.12500	mg/kg		79.0		70 - 130	
	MSD	1325794-57	ND	0.10067	0.12500	mg/kg	2.0	80.5	20	70 - 130	
1,4-Dichlorobenzene	MS	1325794-57	ND	0.10966	0.12500	mg/kg		87.7		70 - 130	
	MSD	1325794-57	ND	0.11961	0.12500	mg/kg	8.7	95.7	20	70 - 130	
1,1-Dichloroethane	MS	1325794-57	ND	0.096280	0.12500	mg/kg		77.0		70 - 130	
	MSD	1325794-57	ND	0.098290	0.12500	mg/kg	2.1	78.6	20	70 - 130	
1,1-Dichloroethene	MS	1325794-57	ND	0.099780	0.12500	mg/kg		79.8		70 - 130	
	MSD	1325794-57	ND	0.10193	0.12500	mg/kg	2.1	81.5	20	70 - 130	
Toluene	MS	1325794-57	ND	0.10175	0.12500	mg/kg		81.4		70 - 130	
	MSD	1325794-57	ND	0.10711	0.12500	mg/kg	5.1	85.7	20	70 - 130	
Trichloroethene	MS	1325794-57	ND	0.10294	0.12500	mg/kg		82.4		70 - 130	
	MSD	1325794-57	ND	0.11003	0.12500	mg/kg	6.7	88.0	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1325794-57	ND	0.049580	0.050000	mg/kg		99.2		70 - 121	
	MSD	1325794-57	ND	0.045510	0.050000	mg/kg	8.6	91.0		70 - 121	
Toluene-d8 (Surrogate)	MS	1325794-57	ND	0.049480	0.050000	mg/kg		99.0		81 - 117	
	MSD	1325794-57	ND	0.047950	0.050000	mg/kg	3.1	95.9		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1325794-57	ND	0.049940	0.050000	mg/kg		99.9		74 - 121	
	MSD	1325794-57	ND	0.048240	0.050000	mg/kg	3.5	96.5		74 - 121	

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1309						
Acenaphthene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BXA1309-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BXA1309-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BXA1309-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BXA1309-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BXA1309-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BXA1309-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BXA1309-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BXA1309-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BXA1309-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BXA1309-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BXA1309-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BXA1309-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BXA1309-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BXA1309-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BXA1309-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BXA1309-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BXA1309-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BXA1309-BLK1	ND	mg/kg	0.10	0.021	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1309						
1,4-Dichlorobenzene	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BXA1309-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BXA1309-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BXA1309-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BXA1309-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BXA1309-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BXA1309-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BXA1309-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BXA1309-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BXA1309-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BXA1309-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BXA1309-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BXA1309-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BXA1309-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BXA1309-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BXA1309-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BXA1309-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BXA1309-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BXA1309-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BXA1309-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BXA1309-BLK1	ND	mg/kg	0.10	0.021	

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1309						
N-Nitrosodiphenylamine	BXA1309-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BXA1309-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BXA1309-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BXA1309-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BXA1309-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BXA1309-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BXA1309-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BXA1309-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BXA1309-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BXA1309-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BXA1309-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BXA1309-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BXA1309-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BXA1309-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BXA1309-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	**BXA1309-BLK1**	**72.8**	%	**28 - 144 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**BXA1309-BLK1**	**111**	%	**36 - 136 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**BXA1309-BLK1**	**91.5**	%	**31 - 135 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**BXA1309-BLK1**	**73.4**	%	**20 - 140 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**BXA1309-BLK1**	**61.0**	%	**20 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**BXA1309-BLK1**	**89.6**	%	**30 - 150 (LCL - UCL)**		

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1309										
Acenaphthene	BXA1309-BS1	LCS	1.2362	1.6502	mg/kg	74.9		50 - 140		
1,4-Dichlorobenzene	BXA1309-BS1	LCS	1.3028	1.6502	mg/kg	78.9		40 - 140		
2,4-Dinitrotoluene	BXA1309-BS1	LCS	1.3445	1.6502	mg/kg	81.5		40 - 140		
Hexachlorobenzene	BXA1309-BS1	LCS	1.3801	1.6502	mg/kg	83.6		46 - 140		
Hexachlorobutadiene	BXA1309-BS1	LCS	1.1543	1.6502	mg/kg	70.0		40 - 120		
Hexachloroethane	BXA1309-BS1	LCS	1.2404	1.6502	mg/kg	75.2		40 - 120		
Nitrobenzene	BXA1309-BS1	LCS	1.1171	1.6502	mg/kg	67.7		40 - 130		
N-Nitrosodi-N-propylamine	BXA1309-BS1	LCS	1.3170	1.6502	mg/kg	79.8		40 - 120		
Pyrene	BXA1309-BS1	LCS	1.5505	1.6502	mg/kg	94.0		40 - 150		
1,2,4-Trichlorobenzene	BXA1309-BS1	LCS	1.2210	1.6502	mg/kg	74.0		40 - 140		
4-Chloro-3-methylphenol	BXA1309-BS1	LCS	1.3791	1.6502	mg/kg	83.6		40 - 130		
2-Chlorophenol	BXA1309-BS1	LCS	1.2177	1.6502	mg/kg	73.8		40 - 130		
2-Methylphenol	BXA1309-BS1	LCS	1.2604	1.6502	mg/kg	76.4		40 - 140		
3- & 4-Methylphenol	BXA1309-BS1	LCS	2.4429	3.3003	mg/kg	74.0		40 - 120		
4-Nitrophenol	BXA1309-BS1	LCS	1.3413	1.6502	mg/kg	81.3		20 - 120		
Pentachlorophenol	BXA1309-BS1	LCS	0.90787	1.6502	mg/kg	55.0		20 - 130		
Phenol	BXA1309-BS1	LCS	1.1485	1.6502	mg/kg	69.6		40 - 120		
2,4,6-Trichlorophenol	BXA1309-BS1	LCS	1.2307	1.6502	mg/kg	74.6		44 - 130		
2-Fluorophenol (Surrogate)	BXA1309-BS1	LCS	2.0619	2.6403	mg/kg	78.1		28 - 144		
Phenol-d5 (Surrogate)	BXA1309-BS1	LCS	2.5616	2.6403	mg/kg	97.0		36 - 136		
Nitrobenzene-d5 (Surrogate)	BXA1309-BS1	LCS	2.1036	2.6403	mg/kg	79.7		31 - 135		
2-Fluorobiphenyl (Surrogate)	BXA1309-BS1	LCS	1.8067	2.6403	mg/kg	68.4		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BXA1309-BS1	LCS	2.1693	2.6403	mg/kg	82.2		20 - 150		
p-Terphenyl-d14 (Surrogate)	BXA1309-BS1	LCS	1.1443	1.3201	mg/kg	86.7		30 - 150		

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1309	Used client sample: N										
Acenaphthene	MS	1325870-77	ND	1.3073	1.6667	mg/kg		78.4		40 - 140	
	MSD	1325870-77	ND	1.2633	1.6393	mg/kg	3.4	77.1	30	40 - 140	
1,4-Dichlorobenzene	MS	1325870-77	ND	1.4097	1.6667	mg/kg		84.6		30 - 150	
	MSD	1325870-77	ND	1.3399	1.6393	mg/kg	5.1	81.7	30	30 - 150	
2,4-Dinitrotoluene	MS	1325870-77	ND	1.4177	1.6667	mg/kg		85.1		30 - 140	
	MSD	1325870-77	ND	1.3870	1.6393	mg/kg	2.2	84.6	30	30 - 140	
Hexachlorobenzene	MS	1325870-77	ND	1.4593	1.6667	mg/kg		87.6		30 - 150	
	MSD	1325870-77	ND	1.4305	1.6393	mg/kg	2.0	87.3	30	30 - 150	
Hexachlorobutadiene	MS	1325870-77	ND	1.2487	1.6667	mg/kg		74.9		20 - 140	
	MSD	1325870-77	ND	1.2347	1.6393	mg/kg	1.1	75.3	30	20 - 140	
Hexachloroethane	MS	1325870-77	ND	1.3670	1.6667	mg/kg		82.0		30 - 140	
	MSD	1325870-77	ND	1.3081	1.6393	mg/kg	4.4	79.8	30	30 - 140	
Nitrobenzene	MS	1325870-77	ND	1.2120	1.6667	mg/kg		72.7		30 - 140	
	MSD	1325870-77	ND	1.1899	1.6393	mg/kg	1.8	72.6	30	30 - 140	
N-Nitrosodi-N-propylamine	MS	1325870-77	ND	1.4517	1.6667	mg/kg		87.1		30 - 120	
	MSD	1325870-77	ND	1.3857	1.6393	mg/kg	4.7	84.5	30	30 - 120	
Pyrene	MS	1325870-77	ND	1.6183	1.6667	mg/kg		97.1		40 - 150	
	MSD	1325870-77	ND	1.5399	1.6393	mg/kg	5.0	93.9	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1325870-77	ND	1.3267	1.6667	mg/kg		79.6		30 - 150	
	MSD	1325870-77	ND	1.3010	1.6393	mg/kg	2.0	79.4	30	30 - 150	
4-Chloro-3-methylphenol	MS	1325870-77	ND	1.4660	1.6667	mg/kg		88.0		40 - 130	
	MSD	1325870-77	ND	1.3792	1.6393	mg/kg	6.1	84.1	30	40 - 130	
2-Chlorophenol	MS	1325870-77	ND	1.2753	1.6667	mg/kg		76.5		40 - 130	
	MSD	1325870-77	ND	1.1529	1.6393	mg/kg	10.1	70.3	30	40 - 130	
2-Methylphenol	MS	1325870-77	ND	1.3760	1.6667	mg/kg		82.6		30 - 140	
	MSD	1325870-77	ND	1.2873	1.6393	mg/kg	6.7	78.5	30	30 - 140	
3- & 4-Methylphenol	MS	1325870-77	ND	2.6653	3.3333	mg/kg		80.0		40 - 130	
	MSD	1325870-77	ND	2.4971	3.2787	mg/kg	6.5	76.2	30	40 - 130	
4-Nitrophenol	MS	1325870-77	ND	1.0873	1.6667	mg/kg		65.2		20 - 140	
	MSD	1325870-77	ND	0.97961	1.6393	mg/kg	10.4	59.8	30	20 - 140	
Pentachlorophenol	MS	1325870-77	ND	0.59533	1.6667	mg/kg		35.7		20 - 130	
	MSD	1325870-77	ND	0.57615	1.6393	mg/kg	3.3	35.1	30	20 - 130	
Phenol	MS	1325870-77	ND	1.2540	1.6667	mg/kg		75.2		30 - 130	
	MSD	1325870-77	ND	1.1578	1.6393	mg/kg	8.0	70.6	30	30 - 130	
2,4,6-Trichlorophenol	MS	1325870-77	ND	1.1397	1.6667	mg/kg		68.4		40 - 140	
	MSD	1325870-77	ND	1.0384	1.6393	mg/kg	9.3	63.3	30	40 - 140	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1309	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1325870-77	ND	2.1510	2.6667	mg/kg		80.7		28 - 144	
	MSD	1325870-77	ND	1.9742	2.6230	mg/kg	8.6	75.3		28 - 144	
Phenol-d5 (Surrogate)	MS	1325870-77	ND	2.7313	2.6667	mg/kg		102		36 - 136	
	MSD	1325870-77	ND	2.5678	2.6230	mg/kg	6.2	97.9		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1325870-77	ND	2.3137	2.6667	mg/kg		86.8		31 - 135	
	MSD	1325870-77	ND	2.2221	2.6230	mg/kg	4.0	84.7		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1325870-77	ND	1.9000	2.6667	mg/kg		71.2		20 - 140	
	MSD	1325870-77	ND	1.8453	2.6230	mg/kg	2.9	70.4		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1325870-77	ND	1.9790	2.6667	mg/kg		74.2		20 - 150	
	MSD	1325870-77	ND	1.8135	2.6230	mg/kg	8.7	69.1		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1325870-77	ND	1.2417	1.3333	mg/kg		93.1		30 - 150	
	MSD	1325870-77	ND	1.2042	1.3115	mg/kg	3.1	91.8		30 - 150	

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TRC
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Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1440						
Gasoline Range Organics (C4 - C12)	BXA1440-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	**BXA1440-BLK1**	**95.0**	%	**70 - 130 (LCL - UCL)**		

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1440										
Gasoline Range Organics (C4 - C12)	BXA1440-BS1	LCS	5.6700	5.0000	mg/kg	113		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXA1440-BS1	LCS	0.042000	0.040000	mg/kg	105		70 - 130		

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1440	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1400811-49	ND	5.6790	5.0000	mg/kg		114		70 - 130	
	MSD	1400811-49	ND	5.5990	5.0000	mg/kg	1.4	112	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-49	ND	0.043000	0.040000	mg/kg		108		70 - 130	
	MSD	1400811-49	ND	0.042000	0.040000	mg/kg	2.4	105		70 - 130	

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1276						
TPH - C8 - C9	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXA1276-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXA1276-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXA1276-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	**BXA1276-BLK1**	**80.5**	%	**20 - 145 (LCL - UCL)**		

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1276										
TPH - Diesel (FFP)	BXA1276-BS1	LCS	63.191	82.508	mg/kg	76.6		64 - 124		
Tetracosane (Surrogate)	BXA1276-BS1	LCS	2.8219	3.3003	mg/kg	85.5		20 - 145		

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1276	Used client sample: N										
TPH - Diesel (FFP)	MS	1325870-70	ND	62.775	83.333	mg/kg		75.3		52 - 131	
	MSD	1325870-70	ND	61.117	84.459	mg/kg	2.7	72.4	30	52 - 131	
Tetracosane (Surrogate)	MS	1325870-70	ND	2.8692	3.3333	mg/kg		86.1		20 - 145	
	MSD	1325870-70	ND	2.7914	3.3784	mg/kg	2.7	82.6		20 - 145	

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TRC
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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1104						
Antimony	BXA1104-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXA1104-BLK1	ND	mg/kg	1.0	0.40	
Barium	BXA1104-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BXA1104-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXA1104-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXA1104-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXA1104-BLK1	ND	mg/kg	2.5	0.098	
Copper	BXA1104-BLK1	ND	mg/kg	1.0	0.050	
Lead	BXA1104-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BXA1104-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BXA1104-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXA1104-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXA1104-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXA1104-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXA1104-BLK1	ND	mg/kg	0.50	0.11	
Zinc	**BXA1104-BLK1**	**0.16114**	**mg/kg**	**2.5**	**0.087**	**J**
QC Batch ID: BXA1218						
Mercury	BXA1218-BLK1	ND	mg/kg	0.16	0.025	

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1104										
Antimony	BXA1104-BS1	LCS	89.943	100.00	mg/kg	89.9		75 - 125		
Arsenic	BXA1104-BS1	LCS	9.5074	10.000	mg/kg	95.1		75 - 125		
Barium	BXA1104-BS1	LCS	101.68	100.00	mg/kg	102		75 - 125		
Beryllium	BXA1104-BS1	LCS	9.7110	10.000	mg/kg	97.1		75 - 125		
Cadmium	BXA1104-BS1	LCS	9.5751	10.000	mg/kg	95.8		75 - 125		
Chromium	BXA1104-BS1	LCS	95.837	100.00	mg/kg	95.8		75 - 125		
Cobalt	BXA1104-BS1	LCS	99.230	100.00	mg/kg	99.2		75 - 125		
Copper	BXA1104-BS1	LCS	94.492	100.00	mg/kg	94.5		75 - 125		
Lead	BXA1104-BS1	LCS	102.69	100.00	mg/kg	103		75 - 125		
Molybdenum	BXA1104-BS1	LCS	97.447	100.00	mg/kg	97.4		75 - 125		
Nickel	BXA1104-BS1	LCS	99.696	100.00	mg/kg	99.7		75 - 125		
Selenium	BXA1104-BS1	LCS	9.4227	10.000	mg/kg	94.2		75 - 125		
Silver	BXA1104-BS1	LCS	9.6455	10.000	mg/kg	96.5		75 - 125		
Thallium	BXA1104-BS1	LCS	100.52	100.00	mg/kg	101		75 - 125		
Vanadium	BXA1104-BS1	LCS	93.170	100.00	mg/kg	93.2		75 - 125		
Zinc	BXA1104-BS1	LCS	99.502	100.00	mg/kg	99.5		75 - 125		
QC Batch ID: BXA1218										
Mercury	BXA1218-BS1	LCS	0.81568	0.80000	mg/kg	102		80 - 120		

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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1104	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Antimony	DUP	1401167-01	1.7459	1.7577		mg/kg	0.7		20		J
	MS	1401167-01	1.7459	26.605	99.010	mg/kg		25.1		16 - 119	
	MSD	1401167-01	1.7459	26.875	99.010	mg/kg	1.0	25.4	20	16 - 119	
Arsenic	DUP	**1401167-01**	**9.8359**	**8.7135**		**mg/kg**	**12.1**		**20**		
	MS	**1401167-01**	**9.8359**	**25.015**	**9.9010**	**mg/kg**		**153**		**75 - 125**	**Q03**
	MSD	**1401167-01**	**9.8359**	**17.409**	**9.9010**	**mg/kg**	**35.9**	**76.5**	**20**	**75 - 125**	**Q02**
Barium	DUP	1401167-01	154.33	154.20		mg/kg	0.1		20		
	MS	1401167-01	154.33	243.89	99.010	mg/kg		90.5		75 - 125	
	MSD	1401167-01	154.33	264.09	99.010	mg/kg	8.0	111	20	75 - 125	
Beryllium	DUP	1401167-01	0.31921	0.31963		mg/kg	0.1		20		J
	MS	1401167-01	0.31921	9.5881	9.9010	mg/kg		93.6		75 - 125	
	MSD	1401167-01	0.31921	9.4763	9.9010	mg/kg	1.2	92.5	20	75 - 125	
Cadmium	DUP	1401167-01	1.1458	1.1231		mg/kg	2.0		20		
	MS	1401167-01	1.1458	10.283	9.9010	mg/kg		92.3		75 - 125	
	MSD	1401167-01	1.1458	10.485	9.9010	mg/kg	1.9	94.3	20	75 - 125	
Chromium	DUP	1401167-01	25.029	24.809		mg/kg	0.9		20		
	MS	1401167-01	25.029	112.05	99.010	mg/kg		87.9		75 - 125	
	MSD	1401167-01	25.029	114.58	99.010	mg/kg	2.2	90.4	20	75 - 125	
Cobalt	DUP	1401167-01	7.6868	7.6261		mg/kg	0.8		20		
	MS	1401167-01	7.6868	95.266	99.010	mg/kg		88.5		75 - 125	
	MSD	1401167-01	7.6868	94.310	99.010	mg/kg	1.0	87.5	20	75 - 125	
Copper	DUP	1401167-01	74.107	73.862		mg/kg	0.3		20		
	MS	1401167-01	74.107	170.33	99.010	mg/kg		97.2		75 - 125	
	MSD	1401167-01	74.107	173.56	99.010	mg/kg	1.9	100	20	75 - 125	
Lead	DUP	1401167-01	156.48	152.57		mg/kg	2.5		20		
	MS	1401167-01	156.48	257.98	99.010	mg/kg		103		75 - 125	
	MSD	1401167-01	156.48	250.51	99.010	mg/kg	2.9	95.0	20	75 - 125	
Molybdenum	DUP	1401167-01	1.4040	1.5685		mg/kg	11.1		20		J
	MS	1401167-01	1.4040	88.547	99.010	mg/kg		88.0		75 - 125	
	MSD	1401167-01	1.4040	88.323	99.010	mg/kg	0.3	87.8	20	75 - 125	
Nickel	DUP	1401167-01	18.504	18.312		mg/kg	1.0		20		
	MS	1401167-01	18.504	106.99	99.010	mg/kg		89.4		75 - 125	
	MSD	1401167-01	18.504	104.85	99.010	mg/kg	2.0	87.2	20	75 - 125	
Selenium	DUP	1401167-01	2.9577	3.4013		mg/kg	14.0		20		
	MS	1401167-01	2.9577	12.593	9.9010	mg/kg		97.3		75 - 125	
	MSD	1401167-01	2.9577	12.516	9.9010	mg/kg	0.6	96.5	20	75 - 125	
Silver	DUP	1401167-01	0.44628	0.40782		mg/kg	9.0		20		J
	MS	1401167-01	0.44628	11.412	9.9010	mg/kg		111		75 - 125	
	MSD	1401167-01	0.44628	9.7024	9.9010	mg/kg	16.2	93.5	20	75 - 125	

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TRC
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Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1104	Used client sample: Y - Description: CSS-1, 01/14/2014 13:45										
Thallium	DUP	1401167-01	2.3820	1.9659		mg/kg	19.1		20		J
	MS	1401167-01	2.3820	89.114	99.010	mg/kg		87.6		75 - 125	
	MSD	1401167-01	2.3820	89.913	99.010	mg/kg	0.9	88.4	20	75 - 125	
Vanadium	DUP	1401167-01	29.854	29.540		mg/kg	1.1		20		
	MS	1401167-01	29.854	121.91	99.010	mg/kg		93.0		75 - 125	
	MSD	1401167-01	29.854	118.85	99.010	mg/kg	2.5	89.9	20	75 - 125	
Zinc	DUP	**1401167-01**	**374.10**	**372.57**		**mg/kg**	**0.4**		**20**		
	MS	**1401167-01**	**374.10**	**429.52**	**99.010**	**mg/kg**		**56.0**		**75 - 125**	**Q03**
	MSD	**1401167-01**	**374.10**	**464.51**	**99.010**	**mg/kg**	**7.8**	**91.3**	**20**	**75 - 125**	
QC Batch ID: BXA1218	Used client sample: N										
Mercury	DUP	1401272-01	ND	ND		mg/kg			20		
	MS	1401272-01	ND	0.83726	0.80645	mg/kg		104		80 - 120	
	MSD	1401272-01	ND	0.83048	0.80645	mg/kg	0.8	103	20	80 - 120	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/23/2014 16:37
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.

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BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/29/2014

David Lennon

TRC
123 Technology Drive
Irvine, CA 92618

Client Project:	203004
BCL Project:	Gage Ave Landfill
BCL Work Order:	1401442
Invoice ID:	B165147

Enclosed are the results of analyses for samples received by the laboratory on 1/20/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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TCLP Toxicity

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Total Concentrations (TTLC)

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Notes

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BC Laboratories, Inc.

Chain of Custody Form

Page 1 of 1

Report To: Client: TRC	Project #: 203004
Attn: David Lennon	Project Name: Gage Ave. Landfill
Street Address: 123 Technology Dr.	
City, State, Zip: Irvine, CA 92618	Sampler(s): R. Lordahl
Phone: 949-727-9336 Fax: 949-727-3022	
Email Address: dlennon@trcsolutions.com	
Work Order #: 14-01442	

Analysis Requested

Sample #	Description	Date Sampled	Time Sampled	EPA 8015 Carbon Chain	TTLC Metals Title 22	EPA 8080 Organo-chlorine Pesticides & PCBs	EPA 8260 Purgeable Halogenated & Aromatics	EPA 8270 Acid Extractables and Neutral Base Neutrals	Luft Method TPH (Gas)	STLC for all 17 Metals	TCLP for 8 RCRA Metals	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	# of containers: Other	Turnaround # of work days*	Are there any tests with holding times less than or equal to 48 hours?	Notes
-1	T6-27	1/17/14	1130	X	X	X	X	X	X			X					2	5		
-2	T6-CSS-1	1/17/14	1245	X	X	X	X	X	X	X	X	X					2	5		

Comments:

* Standard Turnaround = 10 work days

CHK BY SAS

DISTRIBUTION LAB COPY SUB OUT

Billing		EDF Required? Geotracker	Global ID (Needed for EDF)	System # (Needed for EDT)
☒ Same as above		☐ Yes ☒ No		
Client:		Send Copy to State of CA? (EDT)		
Address:		☐ Yes ☒ No		
City: State Zip				
Attn:				
PO#: C203004				

	Relinquished By	Date	Time	Received By	Date	Time
1.		1/20/14	1255		1/20/14	1255
2.		1/20/14	1620		1/20/14	1620
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody and Cooler Receipt Form for 1401442 Page 2 of 2

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 14-01442

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☐ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____	Other ☐ (Specify)_____	

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: Glass Thermometer ID: 207 Date/Time: 4/20/14

Temperature: (A) 4.7 °C / (C) 4.6 °C Analyst Init: MAM 1620

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER		AB								
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	#3									
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By:_____ Date/Time: 4/20/14 1625

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1401442-01	**COC Number:**	---	**Receive Date:**	01/20/2014 16:20
	Project Number:	Gage Ave	**Sampling Date:**	01/17/2014 11:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T6-27	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T6-27
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401442-02	**COC Number:**	---	**Receive Date:**	01/20/2014 16:20
	Project Number:	Gage Ave	**Sampling Date:**	01/17/2014 12:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T6-CSS-1	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T6-CSS-1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	50.9	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	61.1	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/21/14	01/22/14 15:03	VH1	GC-14	1.017	BXA1390

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Bromobenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Bromochloromethane	ND	mg/kg	0.025	0.0046	EPA-8260B	ND	A01	1
Bromodichloromethane	ND	mg/kg	0.025	0.0042	EPA-8260B	ND	A01	1
Bromoform	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Bromomethane	ND	mg/kg	0.025	0.0080	EPA-8260B	ND	A01	1
n-Butylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
sec-Butylbenzene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
tert-Butylbenzene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
Carbon tetrachloride	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
Chlorobenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Chloroethane	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
Chloroform	ND	mg/kg	0.025	0.0032	EPA-8260B	ND	A01	1
Chloromethane	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
2-Chlorotoluene	ND	mg/kg	0.025	0.0090	EPA-8260B	ND	A01	1
4-Chlorotoluene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
Dibromochloromethane	ND	mg/kg	0.025	0.0050	EPA-8260B	ND	A01	1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.025	0.0085	EPA-8260B	ND	A01	1
1,2-Dibromoethane	ND	mg/kg	0.025	0.0050	EPA-8260B	ND	A01	1
Dibromomethane	ND	mg/kg	0.025	0.0090	EPA-8260B	ND	A01	1
1,2-Dichlorobenzene	ND	mg/kg	0.025	0.0040	EPA-8260B	ND	A01	1
1,3-Dichlorobenzene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,4-Dichlorobenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Dichlorodifluoromethane	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,1-Dichloroethane	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	mg/kg	0.025	0.0042	EPA-8260B	ND	A01	1
1,1-Dichloroethene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
cis-1,2-Dichloroethene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
trans-1,2-Dichloroethene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,2-Dichloropropane	ND	mg/kg	0.025	0.0040	EPA-8260B	ND	A01	1
1,3-Dichloropropane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
2,2-Dichloropropane	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,1-Dichloropropene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
trans-1,3-Dichloropropene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
Ethylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Hexachlorobutadiene	ND	mg/kg	0.025	0.0085	EPA-8260B	ND	A01	1
Isopropylbenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
p-Isopropyltoluene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Methylene chloride	ND	mg/kg	0.050	0.012	EPA-8260B	ND	A01	1
Methyl t-butyl ether	ND	mg/kg	0.025	0.0025	EPA-8260B	ND	A01	1
Naphthalene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
n-Propylbenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Styrene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
Tetrachloroethene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Toluene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.025	0.010	EPA-8260B	ND	A01	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.025	0.010	EPA-8260B	ND	A01	1
1,1,1-Trichloroethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
1,1,2-Trichloroethane	ND	mg/kg	0.025	0.0038	EPA-8260B	ND	A01	1
Trichloroethene	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
Trichlorofluoromethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
1,2,3-Trichloropropane	ND	mg/kg	0.025	0.0080	EPA-8260B	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,2,4-Trimethylbenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Vinyl chloride	ND	mg/kg	0.025	0.0080	EPA-8260B	ND	A01	1
Total Xylenes	ND	mg/kg	0.050	0.017	EPA-8260B	ND	A01	1
p- & m-Xylenes	ND	mg/kg	0.025	0.011	EPA-8260B	ND	A01	1
o-Xylene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
1,2-Dichloroethane-d4 (Surrogate)	99.6	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.7	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.9	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/23/14	01/24/14 01:13	AA1	MS-V3	5	BXA1412

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	48.4	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	54.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	42.8	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	22.3	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	47.6	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	46.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/21/14	01/28/14 17:48	SKC	MS-B2	0.980	BXA1544

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	97.5	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/24/14 13:34	JJH	GC-V8	1	BXA1633

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	75.8	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/21/14	01/23/14 09:51	MWB	GC-2	1	BXA1403

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401442-01 | **Client Sample Name:** Gage Ave, T6-27, 1/17/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.9**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**120**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	ND		1
Beryllium	**0.44**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**22**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**8.2**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**30**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	ND		1
Lead	**6.3**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.048**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	ND		1
Nickel	**17**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**4.2**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.087**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND	**J**	1
Thallium	**0.69**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	ND	**J**	1
Vanadium	**39**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**52**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.12		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/22/14	01/23/14 07:47	ARD	PE-OP1	0.990	BXA1389
2	EPA-7471A	01/22/14	01/23/14 09:53	MEV	CETAC1	1.008	BXA1395

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00098	0.000051	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00098	0.00027	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00098	0.00075	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00098	0.00015	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00098	0.00049	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.098	0.029	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00098	0.00012	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00098	0.000088	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00098	0.000061	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00098	0.000063	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00098	0.00017	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00098	0.00013	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00098	0.00025	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00098	0.000069	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00098	0.00012	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00098	0.00051	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00098	0.00029	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00098	0.00025	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.098	0.015	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.020	0.0053	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.020	0.0098	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.020	0.0024	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.020	0.0032	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.020	0.0024	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.020	0.0015	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.020	0.0043	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.020	0.0098	EPA-8080	ND		1
TCMX (Surrogate)	76.1	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	88.2	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/21/14	01/22/14 15:17	VH1	GC-14	1.961	BXA1390

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123 Technology Drive
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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Bromobenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Bromochloromethane	ND	mg/kg	0.025	0.0046	EPA-8260B	ND	A01	1
Bromodichloromethane	ND	mg/kg	0.025	0.0042	EPA-8260B	ND	A01	1
Bromoform	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Bromomethane	ND	mg/kg	0.025	0.0080	EPA-8260B	ND	A01	1
n-Butylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
sec-Butylbenzene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
tert-Butylbenzene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
Carbon tetrachloride	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
Chlorobenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Chloroethane	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
Chloroform	ND	mg/kg	0.025	0.0032	EPA-8260B	ND	A01	1
Chloromethane	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
2-Chlorotoluene	ND	mg/kg	0.025	0.0090	EPA-8260B	ND	A01	1
4-Chlorotoluene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
Dibromochloromethane	ND	mg/kg	0.025	0.0050	EPA-8260B	ND	A01	1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.025	0.0085	EPA-8260B	ND	A01	1
1,2-Dibromoethane	ND	mg/kg	0.025	0.0050	EPA-8260B	ND	A01	1
Dibromomethane	ND	mg/kg	0.025	0.0090	EPA-8260B	ND	A01	1
1,2-Dichlorobenzene	ND	mg/kg	0.025	0.0040	EPA-8260B	ND	A01	1
1,3-Dichlorobenzene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,4-Dichlorobenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Dichlorodifluoromethane	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,1-Dichloroethane	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	mg/kg	0.025	0.0042	EPA-8260B	ND	A01	1
1,1-Dichloroethene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
cis-1,2-Dichloroethene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
trans-1,2-Dichloroethene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,2-Dichloropropane	ND	mg/kg	0.025	0.0040	EPA-8260B	ND	A01	1
1,3-Dichloropropane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
2,2-Dichloropropane	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,1-Dichloropropene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
trans-1,3-Dichloropropene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
Ethylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Hexachlorobutadiene	ND	mg/kg	0.025	0.0085	EPA-8260B	ND	A01	1
Isopropylbenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
p-Isopropyltoluene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Methylene chloride	ND	mg/kg	0.050	0.012	EPA-8260B	ND	A01	1
Methyl t-butyl ether	ND	mg/kg	0.025	0.0025	EPA-8260B	ND	A01	1
Naphthalene	**0.079**	**mg/kg**	**0.025**	**0.0070**	**EPA-8260B**	ND	**A01**	1
n-Propylbenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Styrene	ND	mg/kg	0.025	0.0070	EPA-8260B	ND	A01	1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
Tetrachloroethene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
Toluene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
1,2,3-Trichlorobenzene	ND	mg/kg	0.025	0.010	EPA-8260B	ND	A01	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.025	0.010	EPA-8260B	ND	A01	1
1,1,1-Trichloroethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
1,1,2-Trichloroethane	ND	mg/kg	0.025	0.0038	EPA-8260B	ND	A01	1
Trichloroethene	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
Trichlorofluoromethane	ND	mg/kg	0.025	0.0055	EPA-8260B	ND	A01	1
1,2,3-Trichloropropane	ND	mg/kg	0.025	0.0080	EPA-8260B	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,2,4-Trimethylbenzene	ND	mg/kg	0.025	0.0065	EPA-8260B	ND	A01	1
1,3,5-Trimethylbenzene	ND	mg/kg	0.025	0.0075	EPA-8260B	ND	A01	1
Vinyl chloride	ND	mg/kg	0.025	0.0080	EPA-8260B	ND	A01	1
Total Xylenes	ND	mg/kg	0.050	0.017	EPA-8260B	ND	A01	1
p- & m-Xylenes	ND	mg/kg	0.025	0.011	EPA-8260B	ND	A01	1
o-Xylene	ND	mg/kg	0.025	0.0060	EPA-8260B	ND	A01	1
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.3	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/23/14	01/24/14 01:39	AA1	MS-V3	5	BXA1412

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	**0.29**	**mg/kg**	**0.97**	**0.18**	**EPA-8270C**	ND	**J,A10**	1
Acenaphthylene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	0.97	0.23	EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	1.9	0.52	EPA-8270C	ND	A10	1
Anthracene	**0.21**	**mg/kg**	**0.97**	**0.18**	**EPA-8270C**	ND	**J,A10**	1
Benzidine	ND	mg/kg	29	2.1	EPA-8270C	ND	A10	1
Benzo[a]anthracene	ND	mg/kg	0.97	0.12	EPA-8270C	ND	A10	1
Benzo[b]fluoranthene	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	0.97	0.15	EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	0.97	0.55	EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	4.9	0.65	EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
alpha-BHC	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
beta-BHC	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
delta-BHC	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.97	0.16	EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	**1.6**	**mg/kg**	**1.9**	**0.42**	**EPA-8270C**	ND	**J,A10**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	0.97	0.26	EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.97	0.15	EPA-8270C	ND	A10	1
Chrysene	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
4,4'-DDD	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
4,4'-DDE	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
4,4'-DDT	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Dibenzofuran	**0.19**	**mg/kg**	**0.97**	**0.19**	**EPA-8270C**	ND	**J,A10**	1
1,2-Dichlorobenzene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	1.9	0.065	EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	0.97	0.30	EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	0.97	0.21	EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	1.9	0.19	EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	1.9	0.20	EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	1.9	0.24	EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	4.9	0.21	EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
Fluorene	**0.32**	**mg/kg**	**0.97**	**0.19**	**EPA-8270C**	ND	**J,A10**	1
Heptachlor	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	0.97	0.16	EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	0.97	0.19	EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.97	0.70	EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
2-Methylnaphthalene	**0.22**	**mg/kg**	**0.97**	**0.18**	**EPA-8270C**	ND	**J,A10**	1
Naphthalene	**0.42**	**mg/kg**	**0.97**	**0.18**	**EPA-8270C**	ND	**J,A10**	1
2-Naphthylamine	ND	mg/kg	29	1.6	EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	1.9	0.15	EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	1.9	0.24	EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	0.97	0.15	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.97	0.36	EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	ND	mg/kg	0.97	0.20	EPA-8270C	ND	A10	1
Phenanthrene	**0.97**	**mg/kg**	**0.97**	**0.18**	**EPA-8270C**	ND	**A10**	1
Pyrene	**0.44**	**mg/kg**	**0.97**	**0.17**	**EPA-8270C**	ND	**J,A10**	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.97	0.18	EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	mg/kg	1.9	0.21	EPA-8270C	ND	A10	1
2-Chlorophenol	ND	mg/kg	0.97	0.16	EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	0.97	0.34	EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	4.9	0.12	EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	4.9	0.075	EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	0.97	0.17	EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	1.9	0.32	EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	0.97	0.16	EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	1.9	0.18	EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	1.9	0.13	EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	0.97	0.16	EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	1.9	0.18	EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	1.9	0.17	EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	78.4	%	28 - 144 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	86.6	%	36 - 136 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	81.4	%	31 - 135 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	63.5	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	69.3	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	72.0	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/21/14	01/28/14 18:15	SKC	MS-B2	9.740	BXA1544

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TRC
123 Technology Drive
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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/24/14 14:05	JJH	GC-V8	1	BXA1633

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	4.0	2.0	EPA-8015CC	ND	A01	1
TPH - C10 - C11	**3.0**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**J,A01**	1
TPH - C12 - C14	**7.4**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C15 - C16	**14**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C17 - C18	**26**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C19 - C20	**45**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C21 - C22	**68**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C23 - C28	**170**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C29 - C32	**140**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C33 - C36	**54**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C37 - C40	**38**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C41 - C43	**30**	**mg/kg**	**4.0**	**2.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C44 plus	ND	mg/kg	4.0	2.0	EPA-8015CC	ND	A01	1
TPH (Total)	**600**	**mg/kg**	**40**	**9.3**	**EPA-8015CC**	ND	**A01**	1
Tetracosane (Surrogate)	82.7	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/21/14	01/24/14 02:15	MWB	GC-2	3.974	BXA1403

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123 Technology Drive
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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**0.18**	**mg/L**	**1.0**	**0.17**	**EPA-6010B**	ND	**J**	1
Arsenic	**0.16**	**mg/L**	**0.20**	**0.12**	**EPA-6010B**	ND	**J**	2
Barium	**4.8**	**mg/L**	**0.10**	**0.014**	**EPA-6010B**	ND		2
Beryllium	**0.010**	**mg/L**	**0.10**	**0.0045**	**EPA-6010B**	0.0050	**J**	2
Cadmium	**0.037**	**mg/L**	**0.10**	**0.010**	**EPA-6010B**	ND	**J**	2
Chromium	**0.22**	**mg/L**	**0.10**	**0.0092**	**EPA-6010B**	0.0096		1
Cobalt	**0.18**	**mg/L**	**0.50**	**0.011**	**EPA-6010B**	ND	**J**	1
Copper	**0.99**	**mg/L**	**0.10**	**0.012**	**EPA-6010B**	ND		1
Lead	**11**	**mg/L**	**0.50**	**0.16**	**EPA-6010B**	ND		1
Mercury	ND	mg/L	0.0020	0.00030	EPA-7470A	ND		3
Molybdenum	**0.085**	**mg/L**	**0.50**	**0.012**	**EPA-6010B**	ND	**J**	2
Nickel	**0.37**	**mg/L**	**0.10**	**0.026**	**EPA-6010B**	ND		2
Selenium	**0.17**	**mg/L**	**0.20**	**0.11**	**EPA-6010B**	0.11	**J**	1
Silver	ND	mg/L	0.10	0.025	EPA-6010B	ND		2
Thallium	ND	mg/L	1.0	0.16	EPA-6010B	ND		1
Vanadium	**0.55**	**mg/L**	**0.10**	**0.0092**	**EPA-6010B**	ND		2
Zinc	**13**	**mg/L**	**0.50**	**0.016**	**EPA-6010B**	0.049		2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/23/14	01/27/14 15:43	JRG	PE-OP2	1	BXA1476
2	EPA-6010B	01/23/14	01/23/14 13:49	ARD	PE-OP1	1	BXA1476
3	EPA-7470A	01/24/14	01/27/14 09:49	MEV	CETAC1	1	BXA1594

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Arsenic	ND	mg/L	0.20	0.083	EPA-6010B	ND		1
Barium	**0.75**	**mg/L**	**0.10**	**0.034**	**EPA-6010B**	0.073		1
Cadmium	**0.030**	**mg/L**	**0.10**	**0.0051**	**EPA-6010B**	0.011	**J**	1
Chromium	ND	mg/L	0.10	0.0075	EPA-6010B	0.0080		1
Lead	**0.94**	**mg/L**	**0.50**	**0.030**	**EPA-6010B**	ND		1
Mercury	**0.00032**	**mg/L**	**0.0020**	**0.00030**	**EPA-7470A**	ND	**J**	2
Selenium	ND	mg/L	0.20	0.11	EPA-6010B	ND		1
Silver	ND	mg/L	0.10	0.0083	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/24/14	01/27/14 15:04	JRG	PE-OP2	1	BXA1624
2	EPA-7470A	01/24/14	01/27/14 10:08	MEV	CETAC1	1	BXA1595

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401442-02 | **Client Sample Name:** Gage Ave, T6-CSS-1, 1/17/2014 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	**1.2**	**mg/kg**	**5.0**	**0.33**	**EPA-6010B**	ND	**J**	1
Arsenic	**5.2**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**130**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	ND		1
Beryllium	**0.33**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	**0.84**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	ND		1
Chromium	**23**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**6.2**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**88**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	ND		1
Lead	**170**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.15**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**1.4**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	ND	**J**	1
Nickel	**17**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**2.2**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	**0.38**	**mg/kg**	**0.50**	**0.067**	**EPA-6010B**	ND	**J**	1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**29**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**250**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.11		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/22/14	01/23/14 07:37	ARD	PE-OP1	0.980	BXA1389
2	EPA-7471A	01/22/14	01/23/14 09:42	MEV	CETAC1	0.992	BXA1395

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1390						
Aldrin	BXA1390-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BXA1390-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BXA1390-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BXA1390-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BXA1390-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BXA1390-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BXA1390-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BXA1390-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BXA1390-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BXA1390-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BXA1390-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BXA1390-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BXA1390-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BXA1390-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BXA1390-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BXA1390-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BXA1390-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BXA1390-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BXA1390-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BXA1390-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BXA1390-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BXA1390-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BXA1390-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BXA1390-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BXA1390-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BXA1390-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BXA1390-BLK1	ND	mg/kg	0.010	0.0050	
TCMX (Surrogate)	**BXA1390-BLK1**	**94.9**	%	**20 - 140 (LCL - UCL)**		
Decachlorobiphenyl (Surrogate)	**BXA1390-BLK1**	**94.7**	%	**20 - 140 (LCL - UCL)**		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1390										
Aldrin	BXA1390-BS1	LCS	0.0048290	0.0049505	mg/kg	97.5		70 - 130		
gamma-BHC (Lindane)	BXA1390-BS1	LCS	0.0047416	0.0049505	mg/kg	95.8		60 - 140		
4,4'-DDT	BXA1390-BS1	LCS	0.0055370	0.0049505	mg/kg	112		60 - 140		
Dieldrin	BXA1390-BS1	LCS	0.0049472	0.0049505	mg/kg	99.9		70 - 130		
Endrin	BXA1390-BS1	LCS	0.0048924	0.0049505	mg/kg	98.8		60 - 140		
Heptachlor	BXA1390-BS1	LCS	0.0049749	0.0049505	mg/kg	100		40 - 140		
TCMX (Surrogate)	BXA1390-BS1	LCS	0.0091967	0.0099010	mg/kg	92.9		20 - 140		
Decachlorobiphenyl (Surrogate)	BXA1390-BS1	LCS	0.046187	0.049505	mg/kg	93.3		20 - 140		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1390	Used client sample: N										
Aldrin	MS	1325870-92	ND	0.0051086	0.0049342	mg/kg		104		30 - 140	
	MSD	1325870-92	ND	0.0050621	0.0050336	mg/kg	0.9	101	30	30 - 140	
gamma-BHC (Lindane)	MS	1325870-92	ND	0.0050280	0.0049342	mg/kg		102		30 - 140	
	MSD	1325870-92	ND	0.0052282	0.0050336	mg/kg	3.9	104	30	30 - 140	
4,4'-DDT	MS	1325870-92	ND	0.0059595	0.0049342	mg/kg		121		30 - 140	
	MSD	1325870-92	ND	0.0059369	0.0050336	mg/kg	0.4	118	30	30 - 140	
Dieldrin	MS	1325870-92	ND	0.0053086	0.0049342	mg/kg		108		40 - 140	
	MSD	1325870-92	ND	0.0053007	0.0050336	mg/kg	0.1	105	30	40 - 140	
Endrin	MS	1325870-92	ND	0.0053309	0.0049342	mg/kg		108		30 - 150	
	MSD	1325870-92	ND	0.0052792	0.0050336	mg/kg	1.0	105	30	30 - 150	
Heptachlor	MS	1325870-92	ND	0.0052658	0.0049342	mg/kg		107		70 - 130	
	MSD	1325870-92	ND	0.0053987	0.0050336	mg/kg	2.5	107	30	70 - 130	
TCMX (Surrogate)	MS	1325870-92	ND	0.0096359	0.0098684	mg/kg		97.6		20 - 140	
	MSD	1325870-92	ND	0.010163	0.010067	mg/kg	5.3	101		20 - 140	
Decachlorobiphenyl (Surrogate)	MS	1325870-92	ND	0.049441	0.049342	mg/kg		100		20 - 140	
	MSD	1325870-92	ND	0.049119	0.050336	mg/kg	0.7	97.6		20 - 140	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1412						
Benzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXA1412-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1412						
trans-1,3-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXA1412-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXA1412-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXA1412-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXA1412-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BXA1412-BLK1**	**109**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXA1412-BLK1**	**101**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXA1412-BLK1**	**96.3**	%	**74 - 121 (LCL - UCL)**		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1412										
Benzene	BXA1412-BS1	LCS	0.11899	0.12500	mg/kg	95.2		70 - 130		
Bromodichloromethane	BXA1412-BS1	LCS	0.12708	0.12500	mg/kg	102		70 - 130		
Chlorobenzene	BXA1412-BS1	LCS	0.12322	0.12500	mg/kg	98.6		70 - 130		
Chloroethane	BXA1412-BS1	LCS	0.12364	0.12500	mg/kg	98.9		70 - 130		
1,4-Dichlorobenzene	BXA1412-BS1	LCS	0.12441	0.12500	mg/kg	99.5		70 - 130		
1,1-Dichloroethane	BXA1412-BS1	LCS	0.12213	0.12500	mg/kg	97.7		70 - 130		
1,1-Dichloroethene	BXA1412-BS1	LCS	0.12437	0.12500	mg/kg	99.5		70 - 130		
Toluene	BXA1412-BS1	LCS	0.12032	0.12500	mg/kg	96.3		70 - 130		
Trichloroethene	BXA1412-BS1	LCS	0.12615	0.12500	mg/kg	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXA1412-BS1	LCS	0.048510	0.050000	mg/kg	97.0		70 - 121		
Toluene-d8 (Surrogate)	BXA1412-BS1	LCS	0.050350	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXA1412-BS1	LCS	0.050330	0.050000	mg/kg	101		74 - 121		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1412	Used client sample: N										
Benzene	MS	1325794-65	ND	0.10701	0.12500	mg/kg		85.6		70 - 130	
	MSD	1325794-65	ND	0.11699	0.12500	mg/kg	8.9	93.6	20	70 - 130	
Bromodichloromethane	MS	1325794-65	ND	0.10941	0.12500	mg/kg		87.5		70 - 130	
	MSD	1325794-65	ND	0.11684	0.12500	mg/kg	6.6	93.5	20	70 - 130	
Chlorobenzene	MS	1325794-65	ND	0.10477	0.12500	mg/kg		83.8		70 - 130	
	MSD	1325794-65	ND	0.11209	0.12500	mg/kg	6.8	89.7	20	70 - 130	
Chloroethane	MS	1325794-65	ND	0.11341	0.12500	mg/kg		90.7		70 - 130	
	MSD	1325794-65	ND	0.12257	0.12500	mg/kg	7.8	98.1	20	70 - 130	
1,4-Dichlorobenzene	MS	1325794-65	ND	0.10611	0.12500	mg/kg		84.9		70 - 130	
	MSD	1325794-65	ND	0.10011	0.12500	mg/kg	5.8	80.1	20	70 - 130	
1,1-Dichloroethane	MS	1325794-65	ND	0.10794	0.12500	mg/kg		86.4		70 - 130	
	MSD	1325794-65	ND	0.12040	0.12500	mg/kg	10.9	96.3	20	70 - 130	
1,1-Dichloroethene	MS	1325794-65	ND	0.11310	0.12500	mg/kg		90.5		70 - 130	
	MSD	1325794-65	ND	0.12412	0.12500	mg/kg	9.3	99.3	20	70 - 130	
Toluene	MS	1325794-65	ND	0.10702	0.12500	mg/kg		85.6		70 - 130	
	MSD	1325794-65	ND	0.11364	0.12500	mg/kg	6.0	90.9	20	70 - 130	
Trichloroethene	MS	1325794-65	ND	0.11129	0.12500	mg/kg		89.0		70 - 130	
	MSD	1325794-65	ND	0.12043	0.12500	mg/kg	7.9	96.3	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1325794-65	ND	0.050010	0.050000	mg/kg		100		70 - 121	
	MSD	1325794-65	ND	0.052010	0.050000	mg/kg	3.9	104		70 - 121	
Toluene-d8 (Surrogate)	MS	1325794-65	ND	0.050280	0.050000	mg/kg		101		81 - 117	
	MSD	1325794-65	ND	0.049280	0.050000	mg/kg	2.0	98.6		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1325794-65	ND	0.050060	0.050000	mg/kg		100		74 - 121	
	MSD	1325794-65	ND	0.050390	0.050000	mg/kg	0.7	101		74 - 121	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1544						
Acenaphthene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BXA1544-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BXA1544-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BXA1544-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BXA1544-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BXA1544-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BXA1544-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BXA1544-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BXA1544-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BXA1544-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BXA1544-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BXA1544-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BXA1544-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BXA1544-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BXA1544-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BXA1544-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BXA1544-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BXA1544-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BXA1544-BLK1	ND	mg/kg	0.10	0.021	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1544						
1,4-Dichlorobenzene	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BXA1544-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BXA1544-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BXA1544-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BXA1544-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BXA1544-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BXA1544-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BXA1544-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BXA1544-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BXA1544-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BXA1544-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BXA1544-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BXA1544-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BXA1544-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BXA1544-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BXA1544-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BXA1544-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BXA1544-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BXA1544-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BXA1544-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BXA1544-BLK1	ND	mg/kg	0.10	0.021	

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Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1544						
N-Nitrosodiphenylamine	BXA1544-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BXA1544-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BXA1544-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BXA1544-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BXA1544-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BXA1544-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BXA1544-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BXA1544-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BXA1544-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BXA1544-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BXA1544-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BXA1544-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BXA1544-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BXA1544-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BXA1544-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	**BXA1544-BLK1**	**35.6**	%	**28 - 144 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**BXA1544-BLK1**	**46.0**	%	**36 - 136 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**BXA1544-BLK1**	**47.3**	%	**31 - 135 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**BXA1544-BLK1**	**50.0**	%	**20 - 140 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**BXA1544-BLK1**	**36.2**	%	**20 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**BXA1544-BLK1**	**62.4**	%	**30 - 150 (LCL - UCL)**		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1544										
Acenaphthene	BXA1544-BS1	LCS	1.1213	1.6502	mg/kg	68.0		50 - 140		
1,4-Dichlorobenzene	BXA1544-BS1	LCS	1.0504	1.6502	mg/kg	63.7		40 - 140		
2,4-Dinitrotoluene	BXA1544-BS1	LCS	1.1351	1.6502	mg/kg	68.8		40 - 140		
Hexachlorobenzene	BXA1544-BS1	LCS	1.1475	1.6502	mg/kg	69.5		46 - 140		
Hexachlorobutadiene	BXA1544-BS1	LCS	0.85147	1.6502	mg/kg	51.6		40 - 120		
Hexachloroethane	BXA1544-BS1	LCS	0.86486	1.6502	mg/kg	52.4		40 - 120		
Nitrobenzene	BXA1544-BS1	LCS	0.92596	1.6502	mg/kg	56.1		40 - 130		
N-Nitrosodi-N-propylamine	BXA1544-BS1	LCS	0.91714	1.6502	mg/kg	55.6		40 - 120		
Pyrene	BXA1544-BS1	LCS	0.85996	1.6502	mg/kg	52.1		40 - 150		
1,2,4-Trichlorobenzene	BXA1544-BS1	LCS	0.93968	1.6502	mg/kg	56.9		40 - 140		
4-Chloro-3-methylphenol	BXA1544-BS1	LCS	1.0848	1.6502	mg/kg	65.7		40 - 130		
2-Chlorophenol	BXA1544-BS1	LCS	0.92237	1.6502	mg/kg	55.9		40 - 130		
2-Methylphenol	BXA1544-BS1	LCS	0.99523	1.6502	mg/kg	60.3		40 - 140		
3- & 4-Methylphenol	BXA1544-BS1	LCS	1.7944	3.3003	mg/kg	54.4		40 - 120		
4-Nitrophenol	BXA1544-BS1	LCS	0.99392	1.6502	mg/kg	60.2		20 - 120		
Pentachlorophenol	BXA1544-BS1	LCS	0.55871	1.6502	mg/kg	33.9		20 - 130		
Phenol	BXA1544-BS1	LCS	0.92139	1.6502	mg/kg	55.8		40 - 120		
2,4,6-Trichlorophenol	BXA1544-BS1	LCS	0.94720	1.6502	mg/kg	57.4		44 - 130		
2-Fluorophenol (Surrogate)	BXA1544-BS1	LCS	1.5605	2.6403	mg/kg	59.1		28 - 144		
Phenol-d5 (Surrogate)	BXA1544-BS1	LCS	1.8010	2.6403	mg/kg	68.2		36 - 136		
Nitrobenzene-d5 (Surrogate)	BXA1544-BS1	LCS	1.7199	2.6403	mg/kg	65.1		31 - 135		
2-Fluorobiphenyl (Surrogate)	BXA1544-BS1	LCS	1.5902	2.6403	mg/kg	60.2		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BXA1544-BS1	LCS	1.4798	2.6403	mg/kg	56.0		20 - 150		
p-Terphenyl-d14 (Surrogate)	BXA1544-BS1	LCS	0.76227	1.3201	mg/kg	57.7		30 - 150		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1544	Used client sample: N										
Acenaphthene	MS	1400811-39	ND	1.0611	1.6393	mg/kg		64.7		40 - 140	
	MSD	1400811-39	ND	1.1851	1.6556	mg/kg	11.0	71.6	30	40 - 140	
1,4-Dichlorobenzene	MS	1400811-39	ND	0.97052	1.6393	mg/kg		59.2		30 - 150	
	MSD	1400811-39	ND	1.2298	1.6556	mg/kg	23.6	74.3	30	30 - 150	
2,4-Dinitrotoluene	MS	1400811-39	ND	1.0345	1.6393	mg/kg		63.1		30 - 140	
	MSD	1400811-39	ND	1.1225	1.6556	mg/kg	8.2	67.8	30	30 - 140	
Hexachlorobenzene	MS	1400811-39	ND	1.1468	1.6393	mg/kg		70.0		30 - 150	
	MSD	1400811-39	ND	1.2623	1.6556	mg/kg	9.6	76.2	30	30 - 150	
Hexachlorobutadiene	MS	1400811-39	ND	0.82186	1.6393	mg/kg		50.1		20 - 140	
	MSD	1400811-39	ND	1.0152	1.6556	mg/kg	21.1	61.3	30	20 - 140	
Hexachloroethane	MS	1400811-39	ND	0.86666	1.6393	mg/kg		52.9		30 - 140	
	MSD	1400811-39	ND	1.1129	1.6556	mg/kg	24.9	67.2	30	30 - 140	
Nitrobenzene	MS	1400811-39	ND	0.85075	1.6393	mg/kg		51.9		30 - 140	
	MSD	1400811-39	ND	1.0189	1.6556	mg/kg	18.0	61.5	30	30 - 140	
N-Nitrosodi-N-propylamine	MS	1400811-39	ND	0.93028	1.6393	mg/kg		56.7		30 - 120	
	MSD	1400811-39	ND	1.0775	1.6556	mg/kg	14.7	65.1	30	30 - 120	
Pyrene	MS	1400811-39	ND	1.1487	1.6393	mg/kg		70.1		40 - 150	
	MSD	1400811-39	ND	1.2891	1.6556	mg/kg	11.5	77.9	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1400811-39	ND	0.89100	1.6393	mg/kg		54.4		30 - 150	
	MSD	1400811-39	ND	1.0887	1.6556	mg/kg	20.0	65.8	30	30 - 150	
4-Chloro-3-methylphenol	MS	1400811-39	ND	1.0225	1.6393	mg/kg		62.4		40 - 130	
	MSD	1400811-39	ND	1.1563	1.6556	mg/kg	12.3	69.8	30	40 - 130	
2-Chlorophenol	MS	1400811-39	ND	0.84134	1.6393	mg/kg		51.3		40 - 130	
	MSD	1400811-39	ND	1.0808	1.6556	mg/kg	24.9	65.3	30	40 - 130	
2-Methylphenol	MS	1400811-39	ND	0.96046	1.6393	mg/kg		58.6		30 - 140	
	MSD	1400811-39	ND	1.1815	1.6556	mg/kg	20.6	71.4	30	30 - 140	
3- & 4-Methylphenol	MS	1400811-39	ND	1.7833	3.2787	mg/kg		54.4		40 - 130	
	MSD	1400811-39	ND	2.1228	3.3113	mg/kg	17.4	64.1	30	40 - 130	
4-Nitrophenol	MS	1400811-39	ND	0.65827	1.6393	mg/kg		40.2		20 - 140	
	MSD	1400811-39	ND	0.81325	1.6556	mg/kg	21.1	49.1	30	20 - 140	
Pentachlorophenol	MS	**1400811-39**	**ND**	**0.23403**	**1.6393**	**mg/kg**		**14.3**		**20 - 130**	**Q03**
	MSD	**1400811-39**	**ND**	**0.33543**	**1.6556**	**mg/kg**	**35.6**	**20.3**	**30**	**20 - 130**	**Q02**
Phenol	MS	1400811-39	ND	0.83387	1.6393	mg/kg		50.9		30 - 130	
	MSD	1400811-39	ND	1.0520	1.6556	mg/kg	23.1	63.5	30	30 - 130	
2,4,6-Trichlorophenol	MS	1400811-39	ND	0.83712	1.6393	mg/kg		51.1		40 - 140	
	MSD	1400811-39	ND	0.97285	1.6556	mg/kg	15.0	58.8	30	40 - 140	

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1544	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1400811-39	ND	1.4188	2.6230	mg/kg		54.1		28 - 144	
	MSD	1400811-39	ND	1.8593	2.6490	mg/kg	26.9	70.2		28 - 144	
Phenol-d5 (Surrogate)	MS	1400811-39	ND	1.6590	2.6230	mg/kg		63.2		36 - 136	
	MSD	1400811-39	ND	2.0510	2.6490	mg/kg	21.1	77.4		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1400811-39	ND	1.6379	2.6230	mg/kg		62.4		31 - 135	
	MSD	1400811-39	ND	1.9553	2.6490	mg/kg	17.7	73.8		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1400811-39	ND	1.5473	2.6230	mg/kg		59.0		20 - 140	
	MSD	1400811-39	ND	1.6745	2.6490	mg/kg	7.9	63.2		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1400811-39	ND	1.2889	2.6230	mg/kg		49.1		20 - 150	
	MSD	1400811-39	ND	1.6030	2.6490	mg/kg	21.7	60.5		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1400811-39	ND	0.91956	1.3115	mg/kg		70.1		30 - 150	
	MSD	1400811-39	ND	1.0775	1.3245	mg/kg	15.8	81.4		30 - 150	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1633						
Gasoline Range Organics (C4 - C12)	BXA1633-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	**BXA1633-BLK1**	**102**	%	**70 - 130 (LCL - UCL)**		

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Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1633										
Gasoline Range Organics (C4 - C12)	BXA1633-BS1	LCS	5.5550	5.0000	mg/kg	111		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXA1633-BS1	LCS	0.043000	0.040000	mg/kg	108		70 - 130		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1633	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1400811-48	ND	5.6650	5.0000	mg/kg		113		70 - 130	
	MSD	1400811-48	ND	5.3900	5.0000	mg/kg	5.0	108	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-48	ND	0.041000	0.040000	mg/kg		102		70 - 130	
	MSD	1400811-48	ND	0.040000	0.040000	mg/kg	2.5	100		70 - 130	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1403						
TPH - C8 - C9	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXA1403-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXA1403-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXA1403-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	**BXA1403-BLK1**	**80.5**	%	**20 - 145 (LCL - UCL)**		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1403										
TPH - Diesel (FFP)	BXA1403-BS1	LCS	61.950	83.333	mg/kg	74.3		64 - 124		
Tetracosane (Surrogate)	BXA1403-BS1	LCS	2.7412	3.3333	mg/kg	82.2		20 - 145		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1403	Used client sample: N										
TPH - Diesel (FFP)	MS	1325870-44	ND	58.331	83.056	mg/kg		70.2		52 - 131	
	MSD	1325870-44	ND	63.200	83.612	mg/kg	8.0	75.6	30	52 - 131	
Tetracosane (Surrogate)	MS	1325870-44	ND	2.5397	3.3223	mg/kg		76.4		20 - 145	
	MSD	1325870-44	ND	2.7982	3.3445	mg/kg	9.7	83.7		20 - 145	

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TRC
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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1476						
Antimony	BXA1476-BLK3	ND	mg/L	1.0	0.17	
Arsenic	BXA1476-BLK1	ND	mg/L	0.20	0.12	
Barium	BXA1476-BLK1	ND	mg/L	0.10	0.014	
Beryllium	**BXA1476-BLK1**	**0.0050173**	**mg/L**	**0.10**	**0.0045**	**J**
Cadmium	BXA1476-BLK1	ND	mg/L	0.10	0.010	
Chromium	**BXA1476-BLK3**	**0.0095600**	**mg/L**	**0.10**	**0.0092**	**J**
Cobalt	BXA1476-BLK3	ND	mg/L	0.50	0.011	
Copper	BXA1476-BLK3	ND	mg/L	0.10	0.012	
Lead	BXA1476-BLK3	ND	mg/L	0.50	0.16	
Molybdenum	BXA1476-BLK1	ND	mg/L	0.50	0.012	
Nickel	BXA1476-BLK1	ND	mg/L	0.10	0.026	
Selenium	BXA1476-BLK3	ND	mg/L	0.20	0.11	
Silver	BXA1476-BLK1	ND	mg/L	0.10	0.025	
Thallium	BXA1476-BLK3	ND	mg/L	1.0	0.16	
Vanadium	BXA1476-BLK1	ND	mg/L	0.10	0.0092	
Zinc	**BXA1476-BLK1**	**0.049486**	**mg/L**	**0.50**	**0.016**	**J**
QC Batch ID: BXA1594						
Mercury	BXA1594-BLK1	ND	mg/L	0.0020	0.00030	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1476										
Antimony	BXA1476-BS3	LCS	18.946	20.000	mg/L	94.7		85 - 115		
Arsenic	BXA1476-BS1	LCS	1.7168	2.0000	mg/L	85.8		85 - 115		
Barium	BXA1476-BS1	LCS	17.247	20.000	mg/L	86.2		85 - 115		
Beryllium	BXA1476-BS1	LCS	1.7014	2.0000	mg/L	85.1		85 - 115		
Cadmium	BXA1476-BS1	LCS	1.7062	2.0000	mg/L	85.3		85 - 115		
Chromium	BXA1476-BS3	LCS	19.955	20.000	mg/L	99.8		85 - 115		
Cobalt	BXA1476-BS3	LCS	20.535	20.000	mg/L	103		85 - 115		
Copper	BXA1476-BS3	LCS	20.075	20.000	mg/L	100		85 - 115		
Lead	BXA1476-BS3	LCS	19.880	20.000	mg/L	99.4		85 - 115		
Molybdenum	BXA1476-BS1	LCS	17.205	20.000	mg/L	86.0		85 - 115		
Nickel	BXA1476-BS1	LCS	17.019	20.000	mg/L	85.1		85 - 115		
Selenium	BXA1476-BS3	LCS	1.8405	2.0000	mg/L	92.0		85 - 115		
Silver	BXA1476-BS1	LCS	1.7543	2.0000	mg/L	87.7		85 - 115		
Thallium	BXA1476-BS3	LCS	19.366	20.000	mg/L	96.8		85 - 115		
Vanadium	BXA1476-BS1	LCS	17.244	20.000	mg/L	86.2		85 - 115		
Zinc	BXA1476-BS1	LCS	17.552	20.000	mg/L	87.8		85 - 115		
QC Batch ID: BXA1594										
Mercury	BXA1594-BS1	LCS	0.00098750	0.0010000	mg/L	98.8		85 - 115		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1476	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Antimony	DUP	1401442-02	0.18231	ND		mg/L			20		
	MS	1401442-02	0.18231	18.673	20.408	mg/L		90.6		75 - 125	
	MSD	1401442-02	0.18231	20.303	20.408	mg/L	8.4	98.6	20	75 - 125	
Arsenic	DUP	**1401442-02**	**0.16403**	**0.22525**		**mg/L**	**31.5**		**20**		**A02**
	MS	**1401442-02**	**0.16403**	**2.1427**	**2.0408**	**mg/L**		**97.0**		**75 - 125**	
	MSD	**1401442-02**	**0.16403**	**2.0946**	**2.0408**	**mg/L**	**2.3**	**94.6**	**20**	**75 - 125**	
Barium	DUP	1401442-02	4.8122	4.6421		mg/L	3.6		20		
	MS	1401442-02	4.8122	23.065	20.408	mg/L		89.4		75 - 125	
	MSD	1401442-02	4.8122	23.269	20.408	mg/L	0.9	90.4	20	75 - 125	
Beryllium	DUP	1401442-02	0.010080	0.0099748		mg/L	1.1		20		J
	MS	1401442-02	0.010080	1.8803	2.0408	mg/L		91.6		75 - 125	
	MSD	1401442-02	0.010080	1.8707	2.0408	mg/L	0.5	91.2	20	75 - 125	
Cadmium	DUP	1401442-02	0.037385	0.036173		mg/L	3.3		20		J
	MS	1401442-02	0.037385	1.9411	2.0408	mg/L		93.3		75 - 125	
	MSD	1401442-02	0.037385	1.9094	2.0408	mg/L	1.6	91.7	20	75 - 125	
Chromium	DUP	1401442-02	0.22038	0.22421		mg/L	1.7		20		
	MS	1401442-02	0.22038	20.230	20.408	mg/L		98.0		75 - 125	
	MSD	1401442-02	0.22038	20.974	20.408	mg/L	3.6	102	20	75 - 125	
Cobalt	DUP	1401442-02	0.17542	0.17512		mg/L	0.2		20		J
	MS	1401442-02	0.17542	20.738	20.408	mg/L		101		75 - 125	
	MSD	1401442-02	0.17542	21.487	20.408	mg/L	3.5	104	20	75 - 125	
Copper	DUP	1401442-02	0.98684	0.99179		mg/L	0.5		20		
	MS	1401442-02	0.98684	21.428	20.408	mg/L		100		75 - 125	
	MSD	1401442-02	0.98684	21.889	20.408	mg/L	2.1	102	20	75 - 125	
Lead	DUP	1401442-02	10.569	10.542		mg/L	0.3		20		
	MS	1401442-02	10.569	29.708	20.408	mg/L		93.8		75 - 125	
	MSD	1401442-02	10.569	32.349	20.408	mg/L	8.5	107	20	75 - 125	
Molybdenum	DUP	1401442-02	0.085307	0.081425		mg/L	4.7		20		J
	MS	1401442-02	0.085307	19.054	20.408	mg/L		92.9		75 - 125	
	MSD	1401442-02	0.085307	18.970	20.408	mg/L	0.4	92.5	20	75 - 125	
Nickel	DUP	1401442-02	0.37189	0.36419		mg/L	2.1		20		
	MS	1401442-02	0.37189	18.862	20.408	mg/L		90.6		75 - 125	
	MSD	1401442-02	0.37189	18.612	20.408	mg/L	1.3	89.4	20	75 - 125	
Selenium	DUP	1401442-02	0.16848	ND		mg/L			20		
	MS	1401442-02	0.16848	1.8016	2.0408	mg/L		80.0		75 - 125	
	MSD	1401442-02	0.16848	1.9727	2.0408	mg/L	9.1	88.4	20	75 - 125	
Silver	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	1.9394	2.0408	mg/L		95.0		75 - 125	
	MSD	1401442-02	ND	1.9211	2.0408	mg/L	0.9	94.1	20	75 - 125	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

WET Test (STLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1476	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Thallium	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	18.874	20.408	mg/L		92.5		75 - 125	
	MSD	1401442-02	ND	20.308	20.408	mg/L	7.3	99.5	20	75 - 125	
Vanadium	DUP	1401442-02	0.54605	0.54378		mg/L	0.4		20		
	MS	1401442-02	0.54605	19.475	20.408	mg/L		92.8		75 - 125	
	MSD	1401442-02	0.54605	19.175	20.408	mg/L	1.6	91.3	20	75 - 125	
Zinc	DUP	1401442-02	12.631	12.505		mg/L	1.0		20		
	MS	1401442-02	12.631	31.389	20.408	mg/L		91.9		75 - 125	
	MSD	1401442-02	12.631	31.330	20.408	mg/L	0.2	91.6	20	75 - 125	
QC Batch ID: BXA1594	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Mercury	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	0.010200	0.010000	mg/L		102		70 - 130	
	MSD	1401442-02	ND	0.010550	0.010000	mg/L	3.4	106	20	70 - 130	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1595						
Mercury	BXA1595-BLK1	ND	mg/L	0.0020	0.00030	
QC Batch ID: BXA1624						
Arsenic	BXA1624-BLK1	ND	mg/L	0.20	0.083	
Barium	**BXA1624-BLK1**	**0.073145**	**mg/L**	**0.10**	**0.034**	**J**
Cadmium	**BXA1624-BLK1**	**0.011091**	**mg/L**	**0.10**	**0.0051**	**J**
Chromium	**BXA1624-BLK1**	**0.0079701**	**mg/L**	**0.10**	**0.0075**	**J**
Lead	BXA1624-BLK1	ND	mg/L	0.50	0.030	
Selenium	BXA1624-BLK1	ND	mg/L	0.20	0.11	
Silver	BXA1624-BLK1	ND	mg/L	0.10	0.0083	

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

TCLP Toxicity

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1595										
Mercury	BXA1595-BS1	LCS	0.010175	0.010000	mg/L	102		85 - 115		
QC Batch ID: BXA1624										
Arsenic	BXA1624-BS1	LCS	1.9276	2.0000	mg/L	96.4		85 - 115		
Barium	BXA1624-BS1	LCS	21.038	20.000	mg/L	105		85 - 115		
Cadmium	BXA1624-BS1	LCS	1.9508	2.0000	mg/L	97.5		85 - 115		
Chromium	BXA1624-BS1	LCS	19.608	20.000	mg/L	98.0		85 - 115		
Lead	BXA1624-BS1	LCS	20.448	20.000	mg/L	102		85 - 115		
Selenium	BXA1624-BS1	LCS	1.8164	2.0000	mg/L	90.8		85 - 115		
Silver	BXA1624-BS1	LCS	1.9475	2.0000	mg/L	97.4		85 - 115		

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Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
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Project Manager: David Lennon

TCLP Toxicity

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1595	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Mercury	DUP	1401442-02	0.00032500	ND		mg/L			20		
	MS	1401442-02	0.00032500	0.0097000	0.010000	mg/L		93.8		70 - 130	
	MSD	1401442-02	0.00032500	0.0093250	0.010000	mg/L	3.9	90.0	20	70 - 130	
QC Batch ID: BXA1624	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Arsenic	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	1.9274	2.0000	mg/L		96.4		75 - 125	
	MSD	1401442-02	ND	1.9255	2.0000	mg/L	0.1	96.3	20	75 - 125	
Barium	DUP	1401442-02	0.75398	0.81475		mg/L	7.7		20		
	MS	1401442-02	0.75398	21.069	20.000	mg/L		102		75 - 125	
	MSD	1401442-02	0.75398	20.932	20.000	mg/L	0.7	101	20	75 - 125	
Cadmium	DUP	1401442-02	0.029574	0.024386		mg/L	19.2		20		J
	MS	1401442-02	0.029574	1.9327	2.0000	mg/L		95.2		75 - 125	
	MSD	1401442-02	0.029574	1.9724	2.0000	mg/L	2.0	97.1	20	75 - 125	
Chromium	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	19.585	20.000	mg/L		97.9		75 - 125	
	MSD	1401442-02	ND	19.902	20.000	mg/L	1.6	99.5	20	75 - 125	
Lead	DUP	1401442-02	0.93544	1.0325		mg/L	9.9		20		
	MS	1401442-02	0.93544	20.455	20.000	mg/L		97.6		75 - 125	
	MSD	1401442-02	0.93544	20.822	20.000	mg/L	1.8	99.4	20	75 - 125	
Selenium	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	1.8607	2.0000	mg/L		93.0		75 - 125	
	MSD	1401442-02	ND	1.7680	2.0000	mg/L	5.1	88.4	20	75 - 125	
Silver	DUP	1401442-02	ND	ND		mg/L			20		
	MS	1401442-02	ND	1.9772	2.0000	mg/L		98.9		75 - 125	
	MSD	1401442-02	ND	2.0020	2.0000	mg/L	1.2	100	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1389						
Antimony	BXA1389-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXA1389-BLK1	ND	mg/kg	1.0	0.40	
Barium	BXA1389-BLK1	ND	mg/kg	0.50	0.18	
Beryllium	BXA1389-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXA1389-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXA1389-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXA1389-BLK1	ND	mg/kg	2.5	0.098	
Copper	BXA1389-BLK1	ND	mg/kg	1.0	0.050	
Lead	BXA1389-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	BXA1389-BLK1	ND	mg/kg	2.5	0.050	
Nickel	BXA1389-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXA1389-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXA1389-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXA1389-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXA1389-BLK1	ND	mg/kg	0.50	0.11	
Zinc	**BXA1389-BLK1**	**0.11661**	**mg/kg**	**2.5**	**0.087**	**J**
QC Batch ID: BXA1395						
Mercury	BXA1395-BLK1	ND	mg/kg	0.16	0.025	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1389										
Antimony	BXA1389-BS1	LCS	86.846	100.00	mg/kg	86.8		75 - 125		
Arsenic	BXA1389-BS1	LCS	9.2522	10.000	mg/kg	92.5		75 - 125		
Barium	BXA1389-BS1	LCS	96.963	100.00	mg/kg	97.0		75 - 125		
Beryllium	BXA1389-BS1	LCS	9.4478	10.000	mg/kg	94.5		75 - 125		
Cadmium	BXA1389-BS1	LCS	9.3863	10.000	mg/kg	93.9		75 - 125		
Chromium	BXA1389-BS1	LCS	91.826	100.00	mg/kg	91.8		75 - 125		
Cobalt	BXA1389-BS1	LCS	96.557	100.00	mg/kg	96.6		75 - 125		
Copper	BXA1389-BS1	LCS	91.621	100.00	mg/kg	91.6		75 - 125		
Lead	BXA1389-BS1	LCS	94.815	100.00	mg/kg	94.8		75 - 125		
Molybdenum	BXA1389-BS1	LCS	94.368	100.00	mg/kg	94.4		75 - 125		
Nickel	BXA1389-BS1	LCS	96.776	100.00	mg/kg	96.8		75 - 125		
Selenium	BXA1389-BS1	LCS	9.0382	10.000	mg/kg	90.4		75 - 125		
Silver	BXA1389-BS1	LCS	9.4120	10.000	mg/kg	94.1		75 - 125		
Thallium	BXA1389-BS1	LCS	97.149	100.00	mg/kg	97.1		75 - 125		
Vanadium	BXA1389-BS1	LCS	94.659	100.00	mg/kg	94.7		75 - 125		
Zinc	BXA1389-BS1	LCS	94.818	100.00	mg/kg	94.8		75 - 125		
QC Batch ID: BXA1395										
Mercury	BXA1395-BS1	LCS	0.82960	0.80000	mg/kg	104		80 - 120		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1389	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Antimony	DUP	1401442-02	1.1566	0.95063		mg/kg	19.5		20		J
	MS	1401442-02	1.1566	25.341	98.039	mg/kg		24.7		16 - 119	
	MSD	1401442-02	1.1566	25.448	98.039	mg/kg	0.4	24.8	20	16 - 119	
Arsenic	DUP	1401442-02	5.1824	4.8748		mg/kg	6.1		20		
	MS	1401442-02	5.1824	14.734	9.8039	mg/kg		97.4		75 - 125	
	MSD	1401442-02	5.1824	14.802	9.8039	mg/kg	0.5	98.1	20	75 - 125	
Barium	DUP	1401442-02	127.25	131.70		mg/kg	3.4		20		
	MS	1401442-02	127.25	210.48	98.039	mg/kg		84.9		75 - 125	
	MSD	1401442-02	127.25	214.42	98.039	mg/kg	1.9	88.9	20	75 - 125	
Beryllium	DUP	1401442-02	0.33410	0.34100		mg/kg	2.0		20		J
	MS	1401442-02	0.33410	9.7748	9.8039	mg/kg		96.3		75 - 125	
	MSD	1401442-02	0.33410	9.8019	9.8039	mg/kg	0.3	96.6	20	75 - 125	
Cadmium	DUP	1401442-02	0.84416	0.83299		mg/kg	1.3		20		
	MS	1401442-02	0.84416	10.421	9.8039	mg/kg		97.7		75 - 125	
	MSD	1401442-02	0.84416	10.307	9.8039	mg/kg	1.1	96.5	20	75 - 125	
Chromium	DUP	1401442-02	23.452	23.648		mg/kg	0.8		20		
	MS	1401442-02	23.452	124.39	98.039	mg/kg		103		75 - 125	
	MSD	1401442-02	23.452	119.01	98.039	mg/kg	4.4	97.5	20	75 - 125	
Cobalt	DUP	1401442-02	6.2405	6.4038		mg/kg	2.6		20		
	MS	1401442-02	6.2405	97.580	98.039	mg/kg		93.2		75 - 125	
	MSD	1401442-02	6.2405	98.613	98.039	mg/kg	1.1	94.2	20	75 - 125	
Copper	DUP	**1401442-02**	**87.858**	**87.164**		**mg/kg**	**0.8**		**20**		
	MS	**1401442-02**	**87.858**	**243.27**	**98.039**	**mg/kg**		**159**		**75 - 125**	**Q03**
	MSD	**1401442-02**	**87.858**	**166.58**	**98.039**	**mg/kg**	**37.4**	**80.3**	**20**	**75 - 125**	**Q02**
Lead	DUP	**1401442-02**	**170.28**	**174.53**		**mg/kg**	**2.5**		**20**		
	MS	**1401442-02**	**170.28**	**255.40**	**98.039**	**mg/kg**		**86.8**		**75 - 125**	
	MSD	**1401442-02**	**170.28**	**239.92**	**98.039**	**mg/kg**	**6.2**	**71.0**	**20**	**75 - 125**	**Q03**
Molybdenum	DUP	1401442-02	1.3683	1.3720		mg/kg	0.3		20		J
	MS	1401442-02	1.3683	90.655	98.039	mg/kg		91.1		75 - 125	
	MSD	1401442-02	1.3683	92.228	98.039	mg/kg	1.7	92.7	20	75 - 125	
Nickel	DUP	1401442-02	17.006	17.449		mg/kg	2.6		20		
	MS	1401442-02	17.006	110.31	98.039	mg/kg		95.2		75 - 125	
	MSD	1401442-02	17.006	112.84	98.039	mg/kg	2.3	97.7	20	75 - 125	
Selenium	DUP	1401442-02	2.1809	2.1384		mg/kg	2.0		20		
	MS	1401442-02	2.1809	10.820	9.8039	mg/kg		88.1		75 - 125	
	MSD	1401442-02	2.1809	12.931	9.8039	mg/kg	17.8	110	20	75 - 125	
Silver	DUP	1401442-02	0.38135	0.33232		mg/kg	13.7		20		J
	MS	1401442-02	0.38135	10.060	9.8039	mg/kg		98.7		75 - 125	
	MSD	1401442-02	0.38135	10.351	9.8039	mg/kg	2.9	102	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1389	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Thallium	DUP	1401442-02	ND	ND		mg/kg			20		
	MS	1401442-02	ND	91.729	98.039	mg/kg		93.6		75 - 125	
	MSD	1401442-02	ND	93.171	98.039	mg/kg	1.6	95.0	20	75 - 125	
Vanadium	DUP	1401442-02	28.987	29.291		mg/kg	1.0		20		
	MS	1401442-02	28.987	123.80	98.039	mg/kg		96.7		75 - 125	
	MSD	1401442-02	28.987	123.34	98.039	mg/kg	0.4	96.2	20	75 - 125	
Zinc	DUP	**1401442-02**	**249.92**	**254.43**		**mg/kg**	**1.8**		**20**		
	MS	**1401442-02**	**249.92**	**378.27**	**98.039**	**mg/kg**		**131**		**75 - 125**	**Q03**
	MSD	**1401442-02**	**249.92**	**295.33**	**98.039**	**mg/kg**	**24.6**	**46.3**	**20**	**75 - 125**	**Q02,Q03**
QC Batch ID: BXA1395	Used client sample: Y - Description: T6-CSS-1, 01/17/2014 12:45										
Mercury	DUP	1401442-02	0.15095	0.14778		mg/kg	2.1		20		J
	MS	1401442-02	0.15095	0.92810	0.79365	mg/kg		97.9		80 - 120	
	MSD	1401442-02	0.15095	0.91238	0.79365	mg/kg	1.7	95.9	20	80 - 120	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 13:56
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A02	The difference between duplicate readings is less than the PQL.
A10	PQL's and MDL's were raised due to matrix interference.
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.

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BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/29/2014

David Lennon

TRC
123 Technology Drive
Irvine, CA 92618

Client Project:	203004
BCL Project:	Gage Ave Landfill
BCL Work Order:	1401676
Invoice ID:	B165129

Enclosed are the results of analyses for samples received by the laboratory on 1/22/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

Page 1 of 1

Report To: Client: TRC	Project #: 203004
Attn: David Lennon	Project Name: Gage Ave Landfill
Street Address: 123 Technology Dr	
City, State, Zip: Irvine, CA 92618	Sampler(s): Jim Ferrara
Phone: 949 727-9336 Fax:	
Email Address: dlennon@TRCSolutions.com	
Work Order #:	14-01676

Please refer to the back of this page for completion of analysis and method legend.

Sample #	Description	Date Sampled	Time Sampled	8015 TPH Carbon Chain	6010/7000 Title 22 Metals	8080 Pesticides & PCBs	8260C VOCs	8270 SVOCs	8015 TPH-G (Soil Only)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*
-1	T8-SS1	01/21/14	0945	X	X	X	X	X	X	X						5
-2	T7-CSS1	01/21/14	1000	X	X	X	X	X	X	X						5
-3	T7-26	01/21/14	1130	X	X	X	X	X	X	X						5

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

Comments:

Notes

CHK BY: TC

DISTRIBUTION: MH KC WP SAT EDF

SUB-OUT ☐

Billing	☒ Same as above	EDF Required? Geotracker	Global ID (Needed for EDF)	System # (Needed for EDF)
Client: TRC		☐ Yes ☒ No		
Address:		Send Copy to State of CA? (EDT)		
City: State: Zip:		☐ Yes ☒ No		
Attn: David Lennon				
PO#: C203004				

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	01-21-14	1500	[signature]	1/22/14	1300
2.	[signature]	1/22/14	1650	[signature]	1/22/14	1650
3.						

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

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Chain of Custody and Cooler Receipt Form for 1401676 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 14-01676

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery	Ice Chest ☑ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Other ☐ (Specify)_____	

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: PtPE Thermometer ID: 207 Date/Time 1-22-14 655

Temperature: (A) 1.1 °C / (C) 1.1 °C Analyst Init SAS

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR	AB	AB	AB							
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By: MM Date/Time: 1/22/14 1715

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1401676-01	**COC Number:**	---	**Receive Date:**	01/22/2014 16:50
	Project Number:	Gage Ave Landfill	**Sampling Date:**	01/21/2014 09:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T8-SS1	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T8-SS1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401676-02	**COC Number:**	---	**Receive Date:**	01/22/2014 16:50
	Project Number:	Gage Ave Landfill	**Sampling Date:**	01/21/2014 10:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T7-CSS1	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T7-CSS1
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401676-03	**COC Number:**	---	**Receive Date:**	01/22/2014 16:50
	Project Number:	Gage Ave Landfill	**Sampling Date:**	01/21/2014 11:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T7-26	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T7-26
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	**0.00073**	**mg/kg**	**0.00050**	**0.00014**	**EPA-8080**	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	**0.000093**	**mg/kg**	**0.00050**	**0.000076**	**EPA-8080**	ND	**J**	1
gamma-BHC (Lindane)	**0.00058**	**mg/kg**	**0.00050**	**0.00025**	**EPA-8080**	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	**0.00032**	**mg/kg**	**0.00050**	**0.000063**	**EPA-8080**	ND	**J**	1
4,4'-DDE	**0.00052**	**mg/kg**	**0.00050**	**0.000045**	**EPA-8080**	ND		1
4,4'-DDT	**0.0013**	**mg/kg**	**0.00050**	**0.000031**	**EPA-8080**	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	87.9	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	79.9	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/24/14	01/27/14 13:47	VH1	GC-14	0.997	BXA1617

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.2	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/23/14	01/23/14 17:19	AA1	MS-V3	1	BXA1412

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Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	84.9	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	90.7	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	85.5	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	70.6	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	75.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	53.2	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/24/14	01/28/14 14:19	SKC	MS-B2	1.017	BXA1714

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	105	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/27/14 17:36	JJH	GC-V8	1	BXA1633

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TRC
123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	90.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/24/14	01/28/14 08:46	MWB	GC-13	1.017	BXA1625

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401676-01 | **Client Sample Name:** Gage Ave Landfill, T8-SS1, 1/21/2014 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**6.9**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**130**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.30		1
Beryllium	**0.54**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND		1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**24**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**9.9**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**26**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.18		1
Lead	**7.5**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.066**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.097**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	0.079	**J**	1
Nickel	**17**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**7.3**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**1.3**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	ND	**J**	1
Vanadium	**42**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**56**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.35		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/24/14	01/28/14 15:32	JRG	PE-OP2	0.971	BXA1619
2	EPA-7471A	01/24/14	01/27/14 11:09	MEV	CETAC1	0.992	BXA1630

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0050	0.00026	EPA-8080	ND	A01	1
alpha-BHC	**1.4**	**mg/kg**	**0.25**	**0.070**	**EPA-8080**	ND		2
beta-BHC	**0.16**	**mg/kg**	**0.025**	**0.019**	**EPA-8080**	ND		3
delta-BHC	**0.34**	**mg/kg**	**0.050**	**0.0076**	**EPA-8080**	ND		4
gamma-BHC (Lindane)	**1.4**	**mg/kg**	**0.25**	**0.12**	**EPA-8080**	ND		2
Chlordane (Technical)	ND	mg/kg	0.50	0.15	EPA-8080	ND	A01	1
4,4'-DDD	**1.5**	**mg/kg**	**0.25**	**0.032**	**EPA-8080**	ND		2
4,4'-DDE	**0.20**	**mg/kg**	**0.025**	**0.0022**	**EPA-8080**	ND		3
4,4'-DDT	**3.2**	**mg/kg**	**0.25**	**0.016**	**EPA-8080**	ND		2
Dieldrin	ND	mg/kg	0.0050	0.00032	EPA-8080	ND	A01	1
Endosulfan I	ND	mg/kg	0.0050	0.00086	EPA-8080	ND	A01	1
Endosulfan II	ND	mg/kg	0.0050	0.00066	EPA-8080	ND	A01	1
Endosulfan sulfate	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A01	1
Endrin	**0.19**	**mg/kg**	**0.025**	**0.0018**	**EPA-8080**	ND		3
Endrin aldehyde	ND	mg/kg	0.0050	0.00061	EPA-8080	ND	A01	1
Heptachlor	ND	mg/kg	0.0050	0.0026	EPA-8080	ND	A01	1
Heptachlor epoxide	ND	mg/kg	0.0050	0.0015	EPA-8080	ND	A01	1
Methoxychlor	ND	mg/kg	0.0050	0.0013	EPA-8080	ND	A01	1
Toxaphene	ND	mg/kg	0.50	0.074	EPA-8080	ND	A01	1
PCB-1016	ND	mg/kg	0.10	0.027	EPA-8080	ND	A01	1
PCB-1221	ND	mg/kg	0.10	0.050	EPA-8080	ND	A01	1
PCB-1232	ND	mg/kg	0.10	0.012	EPA-8080	ND	A01	1
PCB-1242	ND	mg/kg	0.10	0.016	EPA-8080	ND	A01	1
PCB-1248	ND	mg/kg	0.10	0.012	EPA-8080	ND	A01	1
PCB-1254	ND	mg/kg	0.10	0.0078	EPA-8080	ND	A01	1
PCB-1260	ND	mg/kg	0.10	0.022	EPA-8080	ND	A01	1
Total PCB's (Summation)	ND	mg/kg	0.10	0.050	EPA-8080	ND	A01	1
TCMX (Surrogate)	289	%	20 - 140 (LCL - UCL)		EPA-8080		A01,S09	1
Decachlorobiphenyl (Surrogate)	157	%	20 - 140 (LCL - UCL)		EPA-8080		A01,S09	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/24/14	01/27/14 10:44	VH1	GC-14	10.135	BXA1617
2	EPA-8080	01/24/14	01/27/14 14:29	VH1	GC-14	506.76	BXA1617
3	EPA-8080	01/24/14	01/27/14 14:01	VH1	GC-14	50.676	BXA1617
4	EPA-8080	01/24/14	01/27/14 14:15	VH1	GC-14	101.35	BXA1617

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123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	**0.0037**	**mg/kg**	**0.0050**	**0.0014**	**EPA-8260B**	ND	**J**	1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.6	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/23/14	01/23/14 17:46	AA1	MS-V3	1	BXA1535

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	**0.11**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Acenaphthylene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Aldrin	ND	mg/kg	0.50	0.12	EPA-8270C	ND	A10	1
Aniline	ND	mg/kg	1.0	0.26	EPA-8270C	ND	A10	1
Anthracene	**0.091**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Benzidine	ND	mg/kg	15	1.1	EPA-8270C	ND	A10	1
Benzo[a]anthracene	**0.11**	**mg/kg**	**0.50**	**0.060**	**EPA-8270C**	ND	**J,A10**	1
Benzo[b]fluoranthene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzo[k]fluoranthene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Benzo[a]pyrene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Benzo[g,h,i]perylene	ND	mg/kg	0.50	0.28	EPA-8270C	ND	A10	1
Benzoic acid	ND	mg/kg	2.5	0.34	EPA-8270C	ND	A10	1
Benzyl alcohol	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Benzyl butyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
alpha-BHC	**1.7**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**A10**	1
beta-BHC	**0.36**	**mg/kg**	**0.50**	**0.10**	**EPA-8270C**	ND	**J,A10**	1
delta-BHC	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
gamma-BHC (Lindane)	**1.8**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**A10**	1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
bis(2-Chloroethyl) ether	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
bis(2-Ethylhexyl)phthalate	**0.32**	**mg/kg**	**1.0**	**0.22**	**EPA-8270C**	ND	**J,A10**	1
4-Bromophenyl phenyl ether	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
4-Chloroaniline	ND	mg/kg	0.50	0.14	EPA-8270C	ND	A10	1
2-Chloronaphthalene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1
Chrysene	**0.16**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
4,4'-DDD	**0.96**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**A10**	1
4,4'-DDE	**0.19**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
4,4'-DDT	**1.2**	**mg/kg**	**0.50**	**0.095**	**EPA-8270C**	ND	**A10**	1
Dibenzo[a,h]anthracene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dibenzofuran	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,2-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
1,4-Dichlorobenzene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
3,3-Dichlorobenzidine	ND	mg/kg	1.0	0.034	EPA-8270C	ND	A10	1
Dieldrin	ND	mg/kg	0.50	0.16	EPA-8270C	ND	A10	1
Diethyl phthalate	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Dimethyl phthalate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Di-n-butyl phthalate	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
2,4-Dinitrotoluene	ND	mg/kg	0.50	0.11	EPA-8270C	ND	A10	1
2,6-Dinitrotoluene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Di-n-octyl phthalate	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
1,2-Diphenylhydrazine	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Endosulfan I	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan II	ND	mg/kg	1.0	0.10	EPA-8270C	ND	A10	1
Endosulfan sulfate	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Endrin	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Endrin aldehyde	ND	mg/kg	2.5	0.11	EPA-8270C	ND	A10	1
Fluoranthene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Fluorene	**0.12**	**mg/kg**	**0.50**	**0.095**	**EPA-8270C**	ND	**J,A10**	1
Heptachlor	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Heptachlor epoxide	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorobenzene	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
Hexachlorobutadiene	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
Hexachlorocyclopentadiene	ND	mg/kg	0.50	0.095	EPA-8270C	ND	A10	1
Hexachloroethane	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.50	0.36	EPA-8270C	ND	A10	1
Isophorone	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2-Methylnaphthalene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
Naphthalene	**0.11**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
2-Naphthylamine	ND	mg/kg	15	0.80	EPA-8270C	ND	A10	1
2-Nitroaniline	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
3-Nitroaniline	ND	mg/kg	1.0	0.075	EPA-8270C	ND	A10	1
4-Nitroaniline	ND	mg/kg	1.0	0.12	EPA-8270C	ND	A10	1
Nitrobenzene	ND	mg/kg	0.50	0.075	EPA-8270C	ND	A10	1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.50	0.10	EPA-8270C	ND	A10	1
N-Nitrosodiphenylamine	**1.8**	**mg/kg**	**0.50**	**0.10**	**EPA-8270C**	ND	**A10**	1
Phenanthrene	**0.40**	**mg/kg**	**0.50**	**0.090**	**EPA-8270C**	ND	**J,A10**	1
Pyrene	**0.29**	**mg/kg**	**0.50**	**0.085**	**EPA-8270C**	ND	**J,A10**	1
1,2,4-Trichlorobenzene	ND	mg/kg	0.50	0.090	EPA-8270C	ND	A10	1
4-Chloro-3-methylphenol	ND	mg/kg	1.0	0.11	EPA-8270C	ND	A10	1
2-Chlorophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4-Dichlorophenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
2,4-Dimethylphenol	ND	mg/kg	0.50	0.18	EPA-8270C	ND	A10	1
4,6-Dinitro-2-methylphenol	ND	mg/kg	2.5	0.060	EPA-8270C	ND	A10	1
2,4-Dinitrophenol	ND	mg/kg	2.5	0.038	EPA-8270C	ND	A10	1
2-Methylphenol	ND	mg/kg	0.50	0.085	EPA-8270C	ND	A10	1
3- & 4-Methylphenol	ND	mg/kg	1.0	0.16	EPA-8270C	ND	A10	1
2-Nitrophenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
4-Nitrophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
Pentachlorophenol	ND	mg/kg	1.0	0.065	EPA-8270C	ND	A10	1
Phenol	ND	mg/kg	0.50	0.080	EPA-8270C	ND	A10	1
2,4,5-Trichlorophenol	ND	mg/kg	1.0	0.090	EPA-8270C	ND	A10	1
2,4,6-Trichlorophenol	ND	mg/kg	1.0	0.085	EPA-8270C	ND	A10	1
2-Fluorophenol (Surrogate)	79.6	%	28 - 144 (LCL - UCL)		EPA-8270C		A10	1
Phenol-d5 (Surrogate)	85.1	%	36 - 136 (LCL - UCL)		EPA-8270C		A10	1
Nitrobenzene-d5 (Surrogate)	79.9	%	31 - 135 (LCL - UCL)		EPA-8270C		A10	1
2-Fluorobiphenyl (Surrogate)	67.4	%	20 - 140 (LCL - UCL)		EPA-8270C		A10	1
2,4,6-Tribromophenol (Surrogate)	72.0	%	20 - 150 (LCL - UCL)		EPA-8270C		A10	1
p-Terphenyl-d14 (Surrogate)	69.6	%	30 - 150 (LCL - UCL)		EPA-8270C		A10	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/24/14	01/28/14 14:40	SKC	MS-B2	4.848	BXA1714

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	105	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/27/14 18:06	JJH	GC-V8	1	BXA1633

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C10 - C11	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH - C12 - C14	**14**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C15 - C16	**23**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C17 - C18	**39**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C19 - C20	**68**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C21 - C22	**140**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C23 - C28	**250**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C29 - C32	**270**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C33 - C36	**170**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C37 - C40	**100**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C41 - C43	**41**	**mg/kg**	**10**	**5.0**	**EPA-8015CC**	ND	**A01**	1
TPH - C44 plus	ND	mg/kg	10	5.0	EPA-8015CC	ND	A01	1
TPH (Total)	**1100**	**mg/kg**	**100**	**23**	**EPA-8015CC**	ND	**A01**	1
Tetracosane (Surrogate)	108	%	20 - 145 (LCL - UCL)		EPA-8015CC		A01	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/24/14	01/28/14 04:56	MWB	GC-13	10.101	BXA1625

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401676-02 | **Client Sample Name:** Gage Ave Landfill, T7-CSS1, 1/21/2014 10:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	1.3	mg/kg	5.0	0.33	EPA-6010B	ND	J	1
Arsenic	5.6	mg/kg	1.0	0.40	EPA-6010B	ND		1
Barium	170	mg/kg	0.50	0.18	EPA-6010B	0.30		1
Beryllium	0.29	mg/kg	0.50	0.047	EPA-6010B	ND	J	1
Cadmium	84	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	38	mg/kg	0.50	0.050	EPA-6010B	ND		1
Cobalt	17	mg/kg	2.5	0.098	EPA-6010B	ND		1
Copper	94	mg/kg	1.0	0.050	EPA-6010B	0.18		1
Lead	140	mg/kg	2.5	0.28	EPA-6010B	ND		1
Mercury	0.22	mg/kg	0.16	0.025	EPA-7471A	ND		2
Molybdenum	1.4	mg/kg	2.5	0.050	EPA-6010B	0.078	J	1
Nickel	51	mg/kg	0.50	0.15	EPA-6010B	ND		1
Selenium	14	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	2.0	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	1.3	mg/kg	5.0	0.64	EPA-6010B	ND	J	1
Vanadium	31	mg/kg	0.50	0.11	EPA-6010B	ND		1
Zinc	560	mg/kg	2.5	0.087	EPA-6010B	0.34		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/24/14	01/28/14 15:33	JRG	PE-OP2	0.962	BXA1619
2	EPA-7471A	01/24/14	01/27/14 11:24	MEV	CETAC1	1.008	BXA1630

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	**0.00037**	**mg/kg**	**0.00050**	**0.00014**	**EPA-8080**	ND	**J**	1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	**0.0010**	**mg/kg**	**0.00050**	**0.000031**	**EPA-8080**	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	86.1	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	90.9	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/24/14	01/28/14 09:52	VH1	GC-14	1.007	BXA1617

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.1	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/23/14	01/23/14 18:12	AA1	MS-V3	1	BXA1412

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	88.6	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	97.8	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	93.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.8	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	76.8	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	67.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/24/14	01/28/14 15:01	SKC	MS-B2	0.947	BXA1714

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123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/27/14 18:37	JJH	GC-V8	1	BXA1633

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123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	94.9	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/24/14	01/28/14 07:37	MWB	GC-13	1.007	BXA1625

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401676-03 | **Client Sample Name:** Gage Ave Landfill, T7-26, 1/21/2014 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**1.7**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**41**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.30		1
Beryllium	**0.11**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**5.8**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**3.1**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**5.9**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.18		1
Lead	**1.2**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND	**J**	1
Mercury	**0.026**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.078**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	0.079	**J**	1
Nickel	**4.5**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**3.9**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**13**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**17**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.35		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/24/14	01/28/14 15:10	JRG	PE-OP2	0.971	BXA1619
2	EPA-7471A	01/24/14	01/27/14 11:27	MEV	CETAC1	0.992	BXA1630

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1617						
Aldrin	BXA1617-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BXA1617-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BXA1617-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BXA1617-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BXA1617-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BXA1617-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BXA1617-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BXA1617-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BXA1617-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BXA1617-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BXA1617-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BXA1617-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BXA1617-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BXA1617-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BXA1617-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BXA1617-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BXA1617-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BXA1617-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BXA1617-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BXA1617-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BXA1617-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BXA1617-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BXA1617-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BXA1617-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BXA1617-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BXA1617-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BXA1617-BLK1	ND	mg/kg	0.010	0.0050	
TCMX (Surrogate)	**BXA1617-BLK1**	**96.1**	%	**20 - 140 (LCL - UCL)**		
Decachlorobiphenyl (Surrogate)	**BXA1617-BLK1**	**90.6**	%	**20 - 140 (LCL - UCL)**		

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1617										
Aldrin	BXA1617-BS1	LCS	0.0049577	0.0050336	mg/kg	98.5		70 - 130		
gamma-BHC (Lindane)	BXA1617-BS1	LCS	0.0049161	0.0050336	mg/kg	97.7		60 - 140		
4,4'-DDT	BXA1617-BS1	LCS	0.0057054	0.0050336	mg/kg	113		60 - 140		
Dieldrin	BXA1617-BS1	LCS	0.0050678	0.0050336	mg/kg	101		70 - 130		
Endrin	BXA1617-BS1	LCS	0.0053906	0.0050336	mg/kg	107		60 - 140		
Heptachlor	BXA1617-BS1	LCS	0.0051705	0.0050336	mg/kg	103		40 - 140		
TCMX (Surrogate)	BXA1617-BS1	LCS	0.0099198	0.010067	mg/kg	98.5		20 - 140		
Decachlorobiphenyl (Surrogate)	BXA1617-BS1	LCS	0.048135	0.050336	mg/kg	95.6		20 - 140		

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1617	Used client sample: N										
Aldrin	MS	1400811-37	ND	0.0050743	0.0050000	mg/kg		101		30 - 140	
	MSD	1400811-37	ND	0.0047185	0.0049505	mg/kg	7.3	95.3	30	30 - 140	
gamma-BHC (Lindane)	MS	1400811-37	ND	0.0048280	0.0050000	mg/kg		96.6		30 - 140	
	MSD	1400811-37	ND	0.0046323	0.0049505	mg/kg	4.1	93.6	30	30 - 140	
4,4'-DDT	MS	1400811-37	ND	0.0057220	0.0050000	mg/kg		114		30 - 140	
	MSD	1400811-37	ND	0.0052234	0.0049505	mg/kg	9.1	106	30	30 - 140	
Dieldrin	MS	1400811-37	ND	0.0050187	0.0050000	mg/kg		100		40 - 140	
	MSD	1400811-37	ND	0.0046663	0.0049505	mg/kg	7.3	94.3	30	40 - 140	
Endrin	MS	1400811-37	ND	0.0053867	0.0050000	mg/kg		108		30 - 150	
	MSD	1400811-37	ND	0.0049937	0.0049505	mg/kg	7.6	101	30	30 - 150	
Heptachlor	MS	1400811-37	ND	0.0049810	0.0050000	mg/kg		99.6		70 - 130	
	MSD	1400811-37	ND	0.0050228	0.0049505	mg/kg	0.8	101	30	70 - 130	
TCMX (Surrogate)	MS	1400811-37	ND	0.0095137	0.010000	mg/kg		95.1		20 - 140	
	MSD	1400811-37	ND	0.0093650	0.0099010	mg/kg	1.6	94.6		20 - 140	
Decachlorobiphenyl (Surrogate)	MS	1400811-37	ND	0.046800	0.050000	mg/kg		93.6		20 - 140	
	MSD	1400811-37	ND	0.045332	0.049505	mg/kg	3.2	91.6		20 - 140	

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1412						
Benzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXA1412-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	

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Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1412						
trans-1,3-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXA1412-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXA1412-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXA1412-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXA1412-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BXA1412-BLK1**	**109**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXA1412-BLK1**	**101**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXA1412-BLK1**	**96.3**	%	**74 - 121 (LCL - UCL)**		
QC Batch ID: BXA1535						
Benzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	

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Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1535						
Bromobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXA1535-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXA1535-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXA1535-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	

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Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1535						
Ethylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXA1535-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXA1535-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXA1535-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXA1535-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXA1535-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXA1535-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BXA1535-BLK1**	**89.4**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXA1535-BLK1**	**96.1**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXA1535-BLK1**	**98.0**	%	**74 - 121 (LCL - UCL)**		

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1412										
Benzene	BXA1412-BS1	LCS	0.11899	0.12500	mg/kg	95.2		70 - 130		
Bromodichloromethane	BXA1412-BS1	LCS	0.12708	0.12500	mg/kg	102		70 - 130		
Chlorobenzene	BXA1412-BS1	LCS	0.12322	0.12500	mg/kg	98.6		70 - 130		
Chloroethane	BXA1412-BS1	LCS	0.12364	0.12500	mg/kg	98.9		70 - 130		
1,4-Dichlorobenzene	BXA1412-BS1	LCS	0.12441	0.12500	mg/kg	99.5		70 - 130		
1,1-Dichloroethane	BXA1412-BS1	LCS	0.12213	0.12500	mg/kg	97.7		70 - 130		
1,1-Dichloroethene	BXA1412-BS1	LCS	0.12437	0.12500	mg/kg	99.5		70 - 130		
Toluene	BXA1412-BS1	LCS	0.12032	0.12500	mg/kg	96.3		70 - 130		
Trichloroethene	BXA1412-BS1	LCS	0.12615	0.12500	mg/kg	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXA1412-BS1	LCS	0.048510	0.050000	mg/kg	97.0		70 - 121		
Toluene-d8 (Surrogate)	BXA1412-BS1	LCS	0.050350	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXA1412-BS1	LCS	0.050330	0.050000	mg/kg	101		74 - 121		
QC Batch ID: BXA1535										
Benzene	BXA1535-BS1	LCS	0.11609	0.12500	mg/kg	92.9		70 - 130		
Bromodichloromethane	BXA1535-BS1	LCS	0.10262	0.12500	mg/kg	82.1		70 - 130		
Chlorobenzene	BXA1535-BS1	LCS	0.11209	0.12500	mg/kg	89.7		70 - 130		
Chloroethane	BXA1535-BS1	LCS	0.11936	0.12500	mg/kg	95.5		70 - 130		
1,4-Dichlorobenzene	BXA1535-BS1	LCS	0.11213	0.12500	mg/kg	89.7		70 - 130		
1,1-Dichloroethane	BXA1535-BS1	LCS	0.11345	0.12500	mg/kg	90.8		70 - 130		
1,1-Dichloroethene	BXA1535-BS1	LCS	0.12406	0.12500	mg/kg	99.2		70 - 130		
Toluene	BXA1535-BS1	LCS	0.10860	0.12500	mg/kg	86.9		70 - 130		
Trichloroethene	BXA1535-BS1	LCS	0.11041	0.12500	mg/kg	88.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXA1535-BS1	LCS	0.040410	0.050000	mg/kg	80.8		70 - 121		
Toluene-d8 (Surrogate)	BXA1535-BS1	LCS	0.047530	0.050000	mg/kg	95.1		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXA1535-BS1	LCS	0.049350	0.050000	mg/kg	98.7		74 - 121		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1412	Used client sample: N										
Benzene	MS	1325794-65	ND	0.10701	0.12500	mg/kg		85.6		70 - 130	
	MSD	1325794-65	ND	0.11699	0.12500	mg/kg	8.9	93.6	20	70 - 130	
Bromodichloromethane	MS	1325794-65	ND	0.10941	0.12500	mg/kg		87.5		70 - 130	
	MSD	1325794-65	ND	0.11684	0.12500	mg/kg	6.6	93.5	20	70 - 130	
Chlorobenzene	MS	1325794-65	ND	0.10477	0.12500	mg/kg		83.8		70 - 130	
	MSD	1325794-65	ND	0.11209	0.12500	mg/kg	6.8	89.7	20	70 - 130	
Chloroethane	MS	1325794-65	ND	0.11341	0.12500	mg/kg		90.7		70 - 130	
	MSD	1325794-65	ND	0.12257	0.12500	mg/kg	7.8	98.1	20	70 - 130	
1,4-Dichlorobenzene	MS	1325794-65	ND	0.10611	0.12500	mg/kg		84.9		70 - 130	
	MSD	1325794-65	ND	0.10011	0.12500	mg/kg	5.8	80.1	20	70 - 130	
1,1-Dichloroethane	MS	1325794-65	ND	0.10794	0.12500	mg/kg		86.4		70 - 130	
	MSD	1325794-65	ND	0.12040	0.12500	mg/kg	10.9	96.3	20	70 - 130	
1,1-Dichloroethene	MS	1325794-65	ND	0.11310	0.12500	mg/kg		90.5		70 - 130	
	MSD	1325794-65	ND	0.12412	0.12500	mg/kg	9.3	99.3	20	70 - 130	
Toluene	MS	1325794-65	ND	0.10702	0.12500	mg/kg		85.6		70 - 130	
	MSD	1325794-65	ND	0.11364	0.12500	mg/kg	6.0	90.9	20	70 - 130	
Trichloroethene	MS	1325794-65	ND	0.11129	0.12500	mg/kg		89.0		70 - 130	
	MSD	1325794-65	ND	0.12043	0.12500	mg/kg	7.9	96.3	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1325794-65	ND	0.050010	0.050000	mg/kg		100		70 - 121	
	MSD	1325794-65	ND	0.052010	0.050000	mg/kg	3.9	104		70 - 121	
Toluene-d8 (Surrogate)	MS	1325794-65	ND	0.050280	0.050000	mg/kg		101		81 - 117	
	MSD	1325794-65	ND	0.049280	0.050000	mg/kg	2.0	98.6		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1325794-65	ND	0.050060	0.050000	mg/kg		100		74 - 121	
	MSD	1325794-65	ND	0.050390	0.050000	mg/kg	0.7	101		74 - 121	
QC Batch ID: BXA1535	Used client sample: N										
Benzene	MS	1325794-64	ND	0.097000	0.12500	mg/kg		77.6		70 - 130	
	MSD	1325794-64	ND	0.10218	0.12500	mg/kg	5.2	81.7	20	70 - 130	
Bromodichloromethane	MS	**1325794-64**	**ND**	**0.084040**	**0.12500**	**mg/kg**		**67.2**		**70 - 130**	**Q03**
	MSD	**1325794-64**	**ND**	**0.090630**	**0.12500**	**mg/kg**	**7.5**	**72.5**	**20**	**70 - 130**	
Chlorobenzene	MS	1325794-64	ND	0.093710	0.12500	mg/kg		75.0		70 - 130	
	MSD	1325794-64	ND	0.10220	0.12500	mg/kg	8.7	81.8	20	70 - 130	
Chloroethane	MS	1325794-64	ND	0.10386	0.12500	mg/kg		83.1		70 - 130	
	MSD	1325794-64	ND	0.10668	0.12500	mg/kg	2.7	85.3	20	70 - 130	
1,4-Dichlorobenzene	MS	1325794-64	ND	0.095580	0.12500	mg/kg		76.5		70 - 130	
	MSD	1325794-64	ND	0.10195	0.12500	mg/kg	6.4	81.6	20	70 - 130	
1,1-Dichloroethane	MS	1325794-64	ND	0.094010	0.12500	mg/kg		75.2		70 - 130	
	MSD	1325794-64	ND	0.098960	0.12500	mg/kg	5.1	79.2	20	70 - 130	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1535	Used client sample: N										
1,1-Dichloroethene	MS	1325794-64	ND	0.10965	0.12500	mg/kg		87.7		70 - 130	
	MSD	1325794-64	ND	0.11468	0.12500	mg/kg	4.5	91.7	20	70 - 130	
Toluene	MS	1325794-64	ND	0.096380	0.12500	mg/kg		77.1		70 - 130	
	MSD	1325794-64	ND	0.10109	0.12500	mg/kg	4.8	80.9	20	70 - 130	
Trichloroethene	MS	1325794-64	ND	0.096050	0.12500	mg/kg		76.8		70 - 130	
	MSD	1325794-64	ND	0.10239	0.12500	mg/kg	6.4	81.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1325794-64	ND	0.041770	0.050000	mg/kg		83.5		70 - 121	
	MSD	1325794-64	ND	0.040810	0.050000	mg/kg	2.3	81.6		70 - 121	
Toluene-d8 (Surrogate)	MS	1325794-64	ND	0.048270	0.050000	mg/kg		96.5		81 - 117	
	MSD	1325794-64	ND	0.047520	0.050000	mg/kg	1.6	95.0		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1325794-64	ND	0.049850	0.050000	mg/kg		99.7		74 - 121	
	MSD	1325794-64	ND	0.049730	0.050000	mg/kg	0.2	99.5		74 - 121	

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Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1714						
Acenaphthene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BXA1714-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BXA1714-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BXA1714-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BXA1714-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BXA1714-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BXA1714-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BXA1714-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BXA1714-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BXA1714-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BXA1714-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.021	

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1714						
1,4-Dichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BXA1714-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BXA1714-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BXA1714-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BXA1714-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BXA1714-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BXA1714-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BXA1714-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BXA1714-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BXA1714-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BXA1714-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BXA1714-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BXA1714-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BXA1714-BLK1	ND	mg/kg	0.10	0.021	

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1714						
N-Nitrosodiphenylamine	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BXA1714-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BXA1714-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BXA1714-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BXA1714-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BXA1714-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	**BXA1714-BLK1**	**85.5**	%	**28 - 144 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**BXA1714-BLK1**	**98.4**	%	**36 - 136 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**BXA1714-BLK1**	**93.1**	%	**31 - 135 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**BXA1714-BLK1**	**83.9**	%	**20 - 140 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**BXA1714-BLK1**	**68.7**	%	**20 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**BXA1714-BLK1**	**64.4**	%	**30 - 150 (LCL - UCL)**		

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1714										
Acenaphthene	BXA1714-BS1	LCS	1.3543	1.6722	mg/kg	81.0		50 - 140		
1,4-Dichlorobenzene	BXA1714-BS1	LCS	1.3563	1.6722	mg/kg	81.1		40 - 140		
2,4-Dinitrotoluene	BXA1714-BS1	LCS	1.3618	1.6722	mg/kg	81.4		40 - 140		
Hexachlorobenzene	BXA1714-BS1	LCS	1.2946	1.6722	mg/kg	77.4		46 - 140		
Hexachlorobutadiene	BXA1714-BS1	LCS	1.1426	1.6722	mg/kg	68.3		40 - 120		
Hexachloroethane	BXA1714-BS1	LCS	1.2625	1.6722	mg/kg	75.5		40 - 120		
Nitrobenzene	BXA1714-BS1	LCS	1.1829	1.6722	mg/kg	70.7		40 - 130		
N-Nitrosodi-N-propylamine	BXA1714-BS1	LCS	1.1793	1.6722	mg/kg	70.5		40 - 120		
Pyrene	BXA1714-BS1	LCS	1.0803	1.6722	mg/kg	64.6		40 - 150		
1,2,4-Trichlorobenzene	BXA1714-BS1	LCS	1.2202	1.6722	mg/kg	73.0		40 - 140		
4-Chloro-3-methylphenol	BXA1714-BS1	LCS	1.1380	1.6722	mg/kg	68.1		40 - 130		
2-Chlorophenol	BXA1714-BS1	LCS	1.0505	1.6722	mg/kg	62.8		40 - 130		
2-Methylphenol	BXA1714-BS1	LCS	1.1898	1.6722	mg/kg	71.1		40 - 140		
3- & 4-Methylphenol	BXA1714-BS1	LCS	2.0888	3.3445	mg/kg	62.5		40 - 120		
4-Nitrophenol	BXA1714-BS1	LCS	0.79187	1.6722	mg/kg	47.4		20 - 120		
Pentachlorophenol	BXA1714-BS1	LCS	0.58046	1.6722	mg/kg	34.7		20 - 130		
Phenol	BXA1714-BS1	LCS	1.0570	1.6722	mg/kg	63.2		40 - 120		
2,4,6-Trichlorophenol	BXA1714-BS1	LCS	0.99344	1.6722	mg/kg	59.4		44 - 130		
2-Fluorophenol (Surrogate)	BXA1714-BS1	LCS	1.7329	2.6756	mg/kg	64.8		28 - 144		
Phenol-d5 (Surrogate)	BXA1714-BS1	LCS	2.0613	2.6756	mg/kg	77.0		36 - 136		
Nitrobenzene-d5 (Surrogate)	BXA1714-BS1	LCS	2.1075	2.6756	mg/kg	78.8		31 - 135		
2-Fluorobiphenyl (Surrogate)	BXA1714-BS1	LCS	2.0295	2.6756	mg/kg	75.9		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BXA1714-BS1	LCS	1.5732	2.6756	mg/kg	58.8		20 - 150		
p-Terphenyl-d14 (Surrogate)	BXA1714-BS1	LCS	0.80170	1.3378	mg/kg	59.9		30 - 150		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1714	Used client sample: N										
Acenaphthene	MS	1325870-73	ND	1.3695	1.6835	mg/kg		81.4		40 - 140	
	MSD	1325870-73	ND	1.2826	1.6949	mg/kg	6.6	75.7	30	40 - 140	
1,4-Dichlorobenzene	MS	1325870-73	ND	1.3986	1.6835	mg/kg		83.1		30 - 150	
	MSD	1325870-73	ND	1.3501	1.6949	mg/kg	3.5	79.7	30	30 - 150	
2,4-Dinitrotoluene	MS	1325870-73	ND	1.3288	1.6835	mg/kg		78.9		30 - 140	
	MSD	1325870-73	ND	1.2810	1.6949	mg/kg	3.7	75.6	30	30 - 140	
Hexachlorobenzene	MS	1325870-73	ND	1.3585	1.6835	mg/kg		80.7		30 - 150	
	MSD	1325870-73	ND	1.2199	1.6949	mg/kg	10.8	72.0	30	30 - 150	
Hexachlorobutadiene	MS	1325870-73	ND	1.1817	1.6835	mg/kg		70.2		20 - 140	
	MSD	1325870-73	ND	1.1665	1.6949	mg/kg	1.3	68.8	30	20 - 140	
Hexachloroethane	MS	1325870-73	ND	1.2923	1.6835	mg/kg		76.8		30 - 140	
	MSD	1325870-73	ND	1.2524	1.6949	mg/kg	3.1	73.9	30	30 - 140	
Nitrobenzene	MS	1325870-73	ND	1.2406	1.6835	mg/kg		73.7		30 - 140	
	MSD	1325870-73	ND	1.1826	1.6949	mg/kg	4.8	69.8	30	30 - 140	
N-Nitrosodi-N-propylamine	MS	1325870-73	ND	1.1934	1.6835	mg/kg		70.9		30 - 120	
	MSD	1325870-73	ND	1.1826	1.6949	mg/kg	0.9	69.8	30	30 - 120	
Pyrene	MS	1325870-73	ND	1.0608	1.6835	mg/kg		63.0		40 - 150	
	MSD	1325870-73	ND	0.99101	1.6949	mg/kg	6.8	58.5	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1325870-73	ND	1.2461	1.6835	mg/kg		74.0		30 - 150	
	MSD	1325870-73	ND	1.2269	1.6949	mg/kg	1.5	72.4	30	30 - 150	
4-Chloro-3-methylphenol	MS	1325870-73	ND	1.3049	1.6835	mg/kg		77.5		40 - 130	
	MSD	1325870-73	ND	1.2055	1.6949	mg/kg	7.9	71.1	30	40 - 130	
2-Chlorophenol	MS	1325870-73	ND	1.1911	1.6835	mg/kg		70.8		40 - 130	
	MSD	1325870-73	ND	1.1158	1.6949	mg/kg	6.5	65.8	30	40 - 130	
2-Methylphenol	MS	1325870-73	ND	1.2868	1.6835	mg/kg		76.4		30 - 140	
	MSD	1325870-73	ND	1.2263	1.6949	mg/kg	4.8	72.3	30	30 - 140	
3- & 4-Methylphenol	MS	1325870-73	ND	2.2054	3.3670	mg/kg		65.5		40 - 130	
	MSD	1325870-73	ND	2.2048	3.3898	mg/kg	0.0	65.0	30	40 - 130	
4-Nitrophenol	MS	1325870-73	ND	1.0563	1.6835	mg/kg		62.7		20 - 140	
	MSD	1325870-73	ND	0.91315	1.6949	mg/kg	14.5	53.9	30	20 - 140	
Pentachlorophenol	MS	1325870-73	ND	0.92671	1.6835	mg/kg		55.0		20 - 130	
	MSD	1325870-73	ND	0.72455	1.6949	mg/kg	24.5	42.7	30	20 - 130	
Phenol	MS	1325870-73	ND	1.1365	1.6835	mg/kg		67.5		30 - 130	
	MSD	1325870-73	ND	1.1031	1.6949	mg/kg	3.0	65.1	30	30 - 130	
2,4,6-Trichlorophenol	MS	1325870-73	ND	1.2787	1.6835	mg/kg		76.0		40 - 140	
	MSD	1325870-73	ND	1.1296	1.6949	mg/kg	12.4	66.6	30	40 - 140	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1714	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1325870-73	ND	2.0357	2.6936	mg/kg		75.6		28 - 144	
	MSD	1325870-73	ND	1.8374	2.7119	mg/kg	10.2	67.8		28 - 144	
Phenol-d5 (Surrogate)	MS	1325870-73	ND	2.1718	2.6936	mg/kg		80.6		36 - 136	
	MSD	1325870-73	ND	2.1176	2.7119	mg/kg	2.5	78.1		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1325870-73	ND	2.1883	2.6936	mg/kg		81.2		31 - 135	
	MSD	1325870-73	ND	2.1196	2.7119	mg/kg	3.2	78.2		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1325870-73	ND	2.0373	2.6936	mg/kg		75.6		20 - 140	
	MSD	1325870-73	ND	1.9944	2.7119	mg/kg	2.1	73.5		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1325870-73	ND	1.9798	2.6936	mg/kg		73.5		20 - 150	
	MSD	1325870-73	ND	1.6914	2.7119	mg/kg	15.7	62.4		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1325870-73	ND	0.83782	1.3468	mg/kg		62.2		30 - 150	
	MSD	1325870-73	ND	0.78629	1.3559	mg/kg	6.3	58.0		30 - 150	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1633						
Gasoline Range Organics (C4 - C12)	BXA1633-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	**BXA1633-BLK1**	**102**	%	**70 - 130 (LCL - UCL)**		

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1633										
Gasoline Range Organics (C4 - C12)	BXA1633-BS1	LCS	5.5550	5.0000	mg/kg	111		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXA1633-BS1	LCS	0.043000	0.040000	mg/kg	108		70 - 130		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1633	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1400811-48	ND	5.6650	5.0000	mg/kg		113		70 - 130	
	MSD	1400811-48	ND	5.3900	5.0000	mg/kg	5.0	108	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-48	ND	0.041000	0.040000	mg/kg		102		70 - 130	
	MSD	1400811-48	ND	0.040000	0.040000	mg/kg	2.5	100		70 - 130	

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TRC
123 Technology Drive
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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1625						
TPH - C8 - C9	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXA1625-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXA1625-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	**BXA1625-BLK1**	**92.5**	%	**20 - 145 (LCL - UCL)**		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1625										
TPH - Diesel (FFP)	BXA1625-BS1	LCS	66.526	82.508	mg/kg	80.6		64 - 124		
Tetracosane (Surrogate)	BXA1625-BS1	LCS	3.2531	3.3003	mg/kg	98.6		20 - 145		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1625	Used client sample: N										
TPH - Diesel (FFP)	MS	1325870-91	ND	65.260	83.333	mg/kg		78.3		52 - 131	
	MSD	1325870-91	ND	64.643	83.893	mg/kg	0.9	77.1	30	52 - 131	
Tetracosane (Surrogate)	MS	1325870-91	ND	3.1852	3.3333	mg/kg		95.6		20 - 145	
	MSD	1325870-91	ND	3.2227	3.3557	mg/kg	1.2	96.0		20 - 145	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1619						
Antimony	BXA1619-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXA1619-BLK1	ND	mg/kg	1.0	0.40	
Barium	**BXA1619-BLK1**	**0.30835**	**mg/kg**	**0.50**	**0.18**	**J**
Beryllium	BXA1619-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXA1619-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXA1619-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXA1619-BLK1	ND	mg/kg	2.5	0.098	
Copper	**BXA1619-BLK1**	**0.18880**	**mg/kg**	**1.0**	**0.050**	**J**
Lead	BXA1619-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	**BXA1619-BLK1**	**0.081213**	**mg/kg**	**2.5**	**0.050**	**J**
Nickel	BXA1619-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXA1619-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXA1619-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXA1619-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXA1619-BLK1	ND	mg/kg	0.50	0.11	
Zinc	**BXA1619-BLK1**	**0.35572**	**mg/kg**	**2.5**	**0.087**	**J**
QC Batch ID: BXA1630						
Mercury	BXA1630-BLK1	ND	mg/kg	0.16	0.025	

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Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1619										
Antimony	BXA1619-BS1	LCS	93.977	100.00	mg/kg	94.0		75 - 125		
Arsenic	BXA1619-BS1	LCS	9.9674	10.000	mg/kg	99.7		75 - 125		
Barium	BXA1619-BS1	LCS	103.98	100.00	mg/kg	104		75 - 125		
Beryllium	BXA1619-BS1	LCS	10.049	10.000	mg/kg	100		75 - 125		
Cadmium	BXA1619-BS1	LCS	9.9837	10.000	mg/kg	99.8		75 - 125		
Chromium	BXA1619-BS1	LCS	100.15	100.00	mg/kg	100		75 - 125		
Cobalt	BXA1619-BS1	LCS	101.65	100.00	mg/kg	102		75 - 125		
Copper	BXA1619-BS1	LCS	101.25	100.00	mg/kg	101		75 - 125		
Lead	BXA1619-BS1	LCS	102.89	100.00	mg/kg	103		75 - 125		
Molybdenum	BXA1619-BS1	LCS	100.98	100.00	mg/kg	101		75 - 125		
Nickel	BXA1619-BS1	LCS	101.84	100.00	mg/kg	102		75 - 125		
Selenium	BXA1619-BS1	LCS	9.1832	10.000	mg/kg	91.8		75 - 125		
Silver	BXA1619-BS1	LCS	9.8711	10.000	mg/kg	98.7		75 - 125		
Thallium	BXA1619-BS1	LCS	99.734	100.00	mg/kg	99.7		75 - 125		
Vanadium	BXA1619-BS1	LCS	97.525	100.00	mg/kg	97.5		75 - 125		
Zinc	BXA1619-BS1	LCS	100.94	100.00	mg/kg	101		75 - 125		
QC Batch ID: BXA1630										
Mercury	BXA1630-BS1	LCS	0.85200	0.80000	mg/kg	106		80 - 120		

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Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1619	Used client sample: Y - Description: T7-26, 01/21/2014 11:30										
Antimony	DUP	1401676-03	ND	ND		mg/kg			20		
	MS	1401676-03	ND	54.817	97.087	mg/kg		56.5		16 - 119	
	MSD	1401676-03	ND	55.087	97.087	mg/kg	0.5	56.7	20	16 - 119	
Arsenic	DUP	1401676-03	1.6830	1.6819		mg/kg	0.1		20		
	MS	1401676-03	1.6830	10.680	9.7087	mg/kg		92.7		75 - 125	
	MSD	1401676-03	1.6830	10.806	9.7087	mg/kg	1.2	94.0	20	75 - 125	
Barium	DUP	1401676-03	40.819	36.304		mg/kg	11.7		20		
	MS	1401676-03	40.819	130.58	97.087	mg/kg		92.5		75 - 125	
	MSD	1401676-03	40.819	135.46	97.087	mg/kg	3.7	97.5	20	75 - 125	
Beryllium	DUP	1401676-03	0.10991	0.11818		mg/kg	7.3		20		J
	MS	1401676-03	0.10991	9.6403	9.7087	mg/kg		98.2		75 - 125	
	MSD	1401676-03	0.10991	9.7033	9.7087	mg/kg	0.7	98.8	20	75 - 125	
Cadmium	DUP	1401676-03	ND	ND		mg/kg			20		
	MS	1401676-03	ND	9.3236	9.7087	mg/kg		96.0		75 - 125	
	MSD	1401676-03	ND	9.4487	9.7087	mg/kg	1.3	97.3	20	75 - 125	
Chromium	DUP	1401676-03	5.7869	6.0020		mg/kg	3.6		20		
	MS	1401676-03	5.7869	100.49	97.087	mg/kg		97.5		75 - 125	
	MSD	1401676-03	5.7869	101.72	97.087	mg/kg	1.2	98.8	20	75 - 125	
Cobalt	DUP	1401676-03	3.0549	3.6457		mg/kg	17.6		20		
	MS	1401676-03	3.0549	98.113	97.087	mg/kg		97.9		75 - 125	
	MSD	1401676-03	3.0549	99.030	97.087	mg/kg	0.9	98.9	20	75 - 125	
Copper	DUP	1401676-03	5.9359	6.6603		mg/kg	11.5		20		
	MS	1401676-03	5.9359	105.50	97.087	mg/kg		103		75 - 125	
	MSD	1401676-03	5.9359	106.09	97.087	mg/kg	0.6	103	20	75 - 125	
Lead	DUP	1401676-03	1.1849	0.99298		mg/kg	17.6		20		J
	MS	1401676-03	1.1849	96.199	97.087	mg/kg		97.9		75 - 125	
	MSD	1401676-03	1.1849	96.616	97.087	mg/kg	0.4	98.3	20	75 - 125	
Molybdenum	DUP	1401676-03	0.078192	ND		mg/kg			20		
	MS	1401676-03	0.078192	94.673	97.087	mg/kg		97.4		75 - 125	
	MSD	1401676-03	0.078192	95.458	97.087	mg/kg	0.8	98.2	20	75 - 125	
Nickel	DUP	1401676-03	4.5163	4.9304		mg/kg	8.8		20		
	MS	1401676-03	4.5163	99.491	97.087	mg/kg		97.8		75 - 125	
	MSD	1401676-03	4.5163	100.45	97.087	mg/kg	1.0	98.8	20	75 - 125	
Selenium	DUP	1401676-03	3.8737	4.6193		mg/kg	17.6		20		
	MS	1401676-03	3.8737	12.329	9.7087	mg/kg		87.1		75 - 125	
	MSD	1401676-03	3.8737	11.390	9.7087	mg/kg	7.9	77.4	20	75 - 125	
Silver	DUP	1401676-03	ND	ND		mg/kg			20		
	MS	1401676-03	ND	9.5285	9.7087	mg/kg		98.1		75 - 125	
	MSD	1401676-03	ND	9.6182	9.7087	mg/kg	0.9	99.1	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1619	Used client sample: Y - Description: T7-26, 01/21/2014 11:30										
Thallium	DUP	1401676-03	ND	0.87358		mg/kg			20		J
	MS	1401676-03	ND	93.045	97.087	mg/kg		95.8		75 - 125	
	MSD	1401676-03	ND	94.063	97.087	mg/kg	1.1	96.9	20	75 - 125	
Vanadium	DUP	1401676-03	13.085	14.660		mg/kg	11.4		20		
	MS	1401676-03	13.085	106.53	97.087	mg/kg		96.2		75 - 125	
	MSD	1401676-03	13.085	107.37	97.087	mg/kg	0.8	97.1	20	75 - 125	
Zinc	DUP	1401676-03	16.852	19.142		mg/kg	12.7		20		
	MS	1401676-03	16.852	112.07	97.087	mg/kg		98.1		75 - 125	
	MSD	1401676-03	16.852	114.15	97.087	mg/kg	1.8	100	20	75 - 125	
QC Batch ID: BXA1630	Used client sample: Y - Description: T8-SS1, 01/21/2014 09:45										
Mercury	DUP	**1401676-01**	**0.066349**	**0.050159**		**mg/kg**	**27.8**		**20**		**J,A02**
	MS	**1401676-01**	**0.066349**	**0.87746**	**0.79365**	**mg/kg**		**102**		**80 - 120**	
	MSD	**1401676-01**	**0.066349**	**0.90016**	**0.79365**	**mg/kg**	**2.6**	**105**	**20**	**80 - 120**	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/29/2014 11:30
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A02	The difference between duplicate readings is less than the PQL.
A10	PQL's and MDL's were raised due to matrix interference.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/31/2014

David Lennon

TRC
123 Technology Drive
Irvine, CA 92618

Client Project:	203004
BCL Project:	Gage Ave Landfill
BCL Work Order:	1401767
Invoice ID:	B165306

Enclosed are the results of analyses for samples received by the laboratory on 1/23/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

Report To: Client: TRC	Project #: 203004
Attn: David Lennon	Project Name: Former Garage Landfill
Street Address: 123 Technology Dr	
City, State, Zip: Irvine 92618	Sampler(s): JF
Phone: 949 727 9336 Fax:	
Email Address: dlennon@TRCSolutions.com	
Work Order #: 14-01767	

Page ____ of ____

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Sample #	Description	Date Sampled	Time Sampled	8015 TPH Carbon chain	Title 22 Metals	8080 Pesticides + PCBs	8260C VOCs	8270C SVOCs	8015 TPH-G (GC/MS)	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
-1	T8N-11	01/23/14	1300	X	X	X	X	X	X	X						5	
-2	T8S-17	01/23/14	1310	X	X	X	X	X	X	X						5	

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: SAS

DISTRIBUTION: MATRIX PART PDF SUBMITTAL SUB-OUT ☐

Billing

☒ Same as above

Client: ____

Address: ____

City: ____ State ____ Zip ____

Attn: ____

PO#: ____

EDF Required? Geotracker ☐ Yes ☒ No

Send Copy to State of CA? (EDT) ☐ Yes ☒ No

Global ID (Needed for EDF)

System # (Needed for EDT)

	Relinquished By	Date	Time	Received By	Date	Time
1.		01-22-14 01-23-14	1500		1-23-14	1345
2.		1-23-14	1715		1-23-14	1715
3.		Date	Time		Date	Time

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Chain of Custody and Cooler Receipt Form for 1401767 Page 2 of 2

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 15 07/01/13 Page 1 Of 1

Submission #: 14-01767

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery	Ice Chest ☑ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____	Other ☐ (Specify)_____	

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

☑ COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: CIR Glass Thermometer ID: 207 Date/Time 1/23/14 1715

Temperature: (A) 0.6 °C / (C) 0.5 °C Analyst Init M

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR	AB	AB								
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: time on COC = 1123, time on Samples 1122.

Sample Numbering Completed By:_____ Date/Time: 1/23/14 1715

A = Actual / C = Corrected

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1401767-01	**COC Number:**	---	**Receive Date:**	01/23/2014 17:15
	Project Number:	Gage Ave Landfill	**Sampling Date:**	01/23/2014 13:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T8N-11	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T8N-11
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	
1401767-02	**COC Number:**	---	**Receive Date:**	01/23/2014 17:15
	Project Number:	Gage Ave Landfill	**Sampling Date:**	01/23/2014 13:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	T8S-17	**Lab Matrix:**	Solids
	Sampled By:	TRCI	**Sample Type:**	Soil
			Delivery Work Order:	
			Global ID:	
			Location ID (FieldPoint):	T8S-17
			Matrix:	SO
			Sample QC Type (SACode):	CS
			Cooler ID:	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	95.0	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	92.3	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/24/14	01/28/14 10:06	VH1	GC-14	1.010	BXA1617

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123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/27/14	01/27/14 18:44	AA1	MS-V3	1	BXA1412

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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123 Technology Drive
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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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TRC
123 Technology Drive
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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	86.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	95.6	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	91.3	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	72.5	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	76.4	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	68.0	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/24/14	01/28/14 15:22	SKC	MS-B2	0.966	BXA1714

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/27/14 19:07	JJH	GC-V8	1	BXA1633

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	93.6	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/24/14	01/28/14 08:23	MWB	GC-13	1	BXA1625

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401767-01 | **Client Sample Name:** Gage Ave Landfill, T8N-11, 1/23/2014 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.8**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**53**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.30		1
Beryllium	**0.30**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**11**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**4.4**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**13**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.18		1
Lead	**2.7**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND		1
Mercury	**0.058**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	ND	mg/kg	2.5	0.050	EPA-6010B	0.079		1
Nickel	**7.2**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**4.7**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**26**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**22**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.35		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/24/14	01/28/14 17:36	JRG	PE-OP2	0.971	BXA1619
2	EPA-7471A	01/24/14	01/27/14 11:29	MEV	CETAC1	0.992	BXA1630

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8080	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8080	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8080	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8080	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8080	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8080	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8080	ND		1
4,4'-DDE	ND	mg/kg	0.00050	0.000045	EPA-8080	ND		1
4,4'-DDT	ND	mg/kg	0.00050	0.000031	EPA-8080	ND		1
Dieldrin	ND	mg/kg	0.00050	0.000032	EPA-8080	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8080	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8080	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8080	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8080	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8080	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8080	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8080	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8080	ND		1
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8080	ND		1
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8080	ND		1
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8080	ND		1
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8080	ND		1
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8080	ND		1
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8080	ND		1
TCMX (Surrogate)	96.4	%	20 - 140 (LCL - UCL)		EPA-8080			1
Decachlorobiphenyl (Surrogate)	90.6	%	20 - 140 (LCL - UCL)		EPA-8080			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8080	01/24/14	01/27/14 13:33	VH1	GC-14	1.017	BXA1617

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123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.0	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/27/14	01/27/14 19:11	AA1	MS-V3	1	BXA1412

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Acenaphthylene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Aldrin	ND	mg/kg	0.10	0.024	EPA-8270C	ND		1
Aniline	ND	mg/kg	0.20	0.053	EPA-8270C	ND		1
Anthracene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzidine	ND	mg/kg	3.0	0.22	EPA-8270C	ND		1
Benzo[a]anthracene	ND	mg/kg	0.10	0.012	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Benzo[a]pyrene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	mg/kg	0.10	0.056	EPA-8270C	ND		1
Benzoic acid	ND	mg/kg	0.50	0.067	EPA-8270C	ND		1
Benzyl alcohol	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
alpha-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
beta-BHC	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
delta-BHC	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20	0.043	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4-Chloroaniline	ND	mg/kg	0.10	0.027	EPA-8270C	ND		1
2-Chloronaphthalene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1
Chrysene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDD	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDE	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
4,4'-DDT	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dibenzofuran	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	mg/kg	0.20	0.0067	EPA-8270C	ND		1
Dieldrin	ND	mg/kg	0.10	0.031	EPA-8270C	ND		1
Diethyl phthalate	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Dimethyl phthalate	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	mg/kg	0.10	0.022	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Endosulfan I	ND	mg/kg	0.20	0.020	EPA-8270C	ND		1
Endosulfan II	ND	mg/kg	0.20	0.021	EPA-8270C	ND		1
Endosulfan sulfate	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Endrin	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Endrin aldehyde	ND	mg/kg	0.50	0.022	EPA-8270C	ND		1
Fluoranthene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Fluorene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Heptachlor	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Heptachlor epoxide	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorobenzene	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
Hexachlorobutadiene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	mg/kg	0.10	0.019	EPA-8270C	ND		1
Hexachloroethane	ND	mg/kg	0.10	0.020	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10	0.072	EPA-8270C	ND		1
Isophorone	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2-Methylnaphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Naphthalene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
2-Naphthylamine	ND	mg/kg	3.0	0.16	EPA-8270C	ND		1
2-Nitroaniline	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
3-Nitroaniline	ND	mg/kg	0.20	0.015	EPA-8270C	ND		1
4-Nitroaniline	ND	mg/kg	0.20	0.025	EPA-8270C	ND		1
Nitrobenzene	ND	mg/kg	0.10	0.015	EPA-8270C	ND		1

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	mg/kg	0.10	0.037	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	mg/kg	0.10	0.021	EPA-8270C	ND		1
Phenanthrene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
Pyrene	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.10	0.018	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	mg/kg	0.20	0.022	EPA-8270C	ND		1
2-Chlorophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	mg/kg	0.10	0.035	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50	0.012	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	mg/kg	0.50	0.0077	EPA-8270C	ND		1
2-Methylphenol	ND	mg/kg	0.10	0.017	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	mg/kg	0.20	0.033	EPA-8270C	ND		1
2-Nitrophenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
4-Nitrophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
Pentachlorophenol	ND	mg/kg	0.20	0.013	EPA-8270C	ND		1
Phenol	ND	mg/kg	0.10	0.016	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	mg/kg	0.20	0.018	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	mg/kg	0.20	0.017	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	89.0	%	28 - 144 (LCL - UCL)		EPA-8270C			1
Phenol-d5 (Surrogate)	98.0	%	36 - 136 (LCL - UCL)		EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	96.6	%	31 - 135 (LCL - UCL)		EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	74.4	%	20 - 140 (LCL - UCL)		EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	74.7	%	20 - 150 (LCL - UCL)		EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	67.1	%	30 - 150 (LCL - UCL)		EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	01/24/14	01/28/14 15:43	SKC	MS-B2	0.973	BXA1714

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.10	Luft	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		Luft			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft	01/23/14	01/27/14 19:38	JJH	GC-V8	1	BXA1633

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - C8 - C9	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C10 - C11	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C12 - C14	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C15 - C16	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C17 - C18	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C19 - C20	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C21 - C22	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C23 - C28	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C29 - C32	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C33 - C36	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C37 - C40	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C41 - C43	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH - C44 plus	ND	mg/kg	1.0	0.50	EPA-8015CC	ND		1
TPH (Total)	ND	mg/kg	10	2.3	EPA-8015CC	ND		1
Tetracosane (Surrogate)	96.0	%	20 - 145 (LCL - UCL)		EPA-8015CC			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015CC	01/24/14	01/28/14 08:00	MWB	GC-13	1.007	BXA1625

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

BCL Sample ID: 1401767-02 | **Client Sample Name:** Gage Ave Landfill, T8S-17, 1/23/2014 1:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.6**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	ND		1
Barium	**34**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	0.29		1
Beryllium	**0.12**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	ND	**J**	1
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**9.0**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	ND		1
Cobalt	**2.8**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	ND		1
Copper	**6.3**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	0.18		1
Lead	**1.4**	**mg/kg**	**2.5**	**0.28**	**EPA-6010B**	ND	**J**	1
Mercury	**0.037**	**mg/kg**	**0.16**	**0.025**	**EPA-7471A**	ND	**J**	2
Molybdenum	**0.10**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	0.076	**J**	1
Nickel	**4.7**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	ND		1
Selenium	**1.7**	**mg/kg**	**1.0**	**0.98**	**EPA-6010B**	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**0.78**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	ND	**J**	1
Vanadium	**17**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	ND		1
Zinc	**16**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	0.33		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	01/24/14	01/30/14 16:06	JRG	PE-OP2	0.935	BXA1619
2	EPA-7471A	01/24/14	01/27/14 11:31	MEV	CETAC1	1.008	BXA1630

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1617						
Aldrin	BXA1617-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BXA1617-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BXA1617-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BXA1617-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BXA1617-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BXA1617-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BXA1617-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BXA1617-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BXA1617-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BXA1617-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BXA1617-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BXA1617-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BXA1617-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BXA1617-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BXA1617-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BXA1617-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BXA1617-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BXA1617-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BXA1617-BLK1	ND	mg/kg	0.050	0.0074	
PCB-1016	BXA1617-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BXA1617-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BXA1617-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BXA1617-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BXA1617-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BXA1617-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BXA1617-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BXA1617-BLK1	ND	mg/kg	0.010	0.0050	
TCMX (Surrogate)	**BXA1617-BLK1**	**96.1**	%	**20 - 140 (LCL - UCL)**		
Decachlorobiphenyl (Surrogate)	**BXA1617-BLK1**	**90.6**	%	**20 - 140 (LCL - UCL)**		

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1617										
Aldrin	BXA1617-BS1	LCS	0.0049577	0.0050336	mg/kg	98.5		70 - 130		
gamma-BHC (Lindane)	BXA1617-BS1	LCS	0.0049161	0.0050336	mg/kg	97.7		60 - 140		
4,4'-DDT	BXA1617-BS1	LCS	0.0057054	0.0050336	mg/kg	113		60 - 140		
Dieldrin	BXA1617-BS1	LCS	0.0050678	0.0050336	mg/kg	101		70 - 130		
Endrin	BXA1617-BS1	LCS	0.0053906	0.0050336	mg/kg	107		60 - 140		
Heptachlor	BXA1617-BS1	LCS	0.0051705	0.0050336	mg/kg	103		40 - 140		
TCMX (Surrogate)	BXA1617-BS1	LCS	0.0099198	0.010067	mg/kg	98.5		20 - 140		
Decachlorobiphenyl (Surrogate)	BXA1617-BS1	LCS	0.048135	0.050336	mg/kg	95.6		20 - 140		

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Organochlorine Pesticides and PCB's (EPA Method 8080)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1617	Used client sample: N										
Aldrin	MS	1400811-37	ND	0.0050743	0.0050000	mg/kg		101		30 - 140	
	MSD	1400811-37	ND	0.0047185	0.0049505	mg/kg	7.3	95.3	30	30 - 140	
gamma-BHC (Lindane)	MS	1400811-37	ND	0.0048280	0.0050000	mg/kg		96.6		30 - 140	
	MSD	1400811-37	ND	0.0046323	0.0049505	mg/kg	4.1	93.6	30	30 - 140	
4,4'-DDT	MS	1400811-37	ND	0.0057220	0.0050000	mg/kg		114		30 - 140	
	MSD	1400811-37	ND	0.0052234	0.0049505	mg/kg	9.1	106	30	30 - 140	
Dieldrin	MS	1400811-37	ND	0.0050187	0.0050000	mg/kg		100		40 - 140	
	MSD	1400811-37	ND	0.0046663	0.0049505	mg/kg	7.3	94.3	30	40 - 140	
Endrin	MS	1400811-37	ND	0.0053867	0.0050000	mg/kg		108		30 - 150	
	MSD	1400811-37	ND	0.0049937	0.0049505	mg/kg	7.6	101	30	30 - 150	
Heptachlor	MS	1400811-37	ND	0.0049810	0.0050000	mg/kg		99.6		70 - 130	
	MSD	1400811-37	ND	0.0050228	0.0049505	mg/kg	0.8	101	30	70 - 130	
TCMX (Surrogate)	MS	1400811-37	ND	0.0095137	0.010000	mg/kg		95.1		20 - 140	
	MSD	1400811-37	ND	0.0093650	0.0099010	mg/kg	1.6	94.6		20 - 140	
Decachlorobiphenyl (Surrogate)	MS	1400811-37	ND	0.046800	0.050000	mg/kg		93.6		20 - 140	
	MSD	1400811-37	ND	0.045332	0.049505	mg/kg	3.2	91.6		20 - 140	

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1412						
Benzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BXA1412-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1412						
trans-1,3-Dichloropropene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BXA1412-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BXA1412-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BXA1412-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BXA1412-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BXA1412-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BXA1412-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BXA1412-BLK1**	**109**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXA1412-BLK1**	**101**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXA1412-BLK1**	**96.3**	%	**74 - 121 (LCL - UCL)**		

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1412										
Benzene	BXA1412-BS1	LCS	0.11899	0.12500	mg/kg	95.2		70 - 130		
Bromodichloromethane	BXA1412-BS1	LCS	0.12708	0.12500	mg/kg	102		70 - 130		
Chlorobenzene	BXA1412-BS1	LCS	0.12322	0.12500	mg/kg	98.6		70 - 130		
Chloroethane	BXA1412-BS1	LCS	0.12364	0.12500	mg/kg	98.9		70 - 130		
1,4-Dichlorobenzene	BXA1412-BS1	LCS	0.12441	0.12500	mg/kg	99.5		70 - 130		
1,1-Dichloroethane	BXA1412-BS1	LCS	0.12213	0.12500	mg/kg	97.7		70 - 130		
1,1-Dichloroethene	BXA1412-BS1	LCS	0.12437	0.12500	mg/kg	99.5		70 - 130		
Toluene	BXA1412-BS1	LCS	0.12032	0.12500	mg/kg	96.3		70 - 130		
Trichloroethene	BXA1412-BS1	LCS	0.12615	0.12500	mg/kg	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXA1412-BS1	LCS	0.048510	0.050000	mg/kg	97.0		70 - 121		
Toluene-d8 (Surrogate)	BXA1412-BS1	LCS	0.050350	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	BXA1412-BS1	LCS	0.050330	0.050000	mg/kg	101		74 - 121		

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Project Number: 203004
Project Manager: David Lennon

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1412	Used client sample: N										
Benzene	MS	1325794-65	ND	0.10701	0.12500	mg/kg		85.6		70 - 130	
	MSD	1325794-65	ND	0.11699	0.12500	mg/kg	8.9	93.6	20	70 - 130	
Bromodichloromethane	MS	1325794-65	ND	0.10941	0.12500	mg/kg		87.5		70 - 130	
	MSD	1325794-65	ND	0.11684	0.12500	mg/kg	6.6	93.5	20	70 - 130	
Chlorobenzene	MS	1325794-65	ND	0.10477	0.12500	mg/kg		83.8		70 - 130	
	MSD	1325794-65	ND	0.11209	0.12500	mg/kg	6.8	89.7	20	70 - 130	
Chloroethane	MS	1325794-65	ND	0.11341	0.12500	mg/kg		90.7		70 - 130	
	MSD	1325794-65	ND	0.12257	0.12500	mg/kg	7.8	98.1	20	70 - 130	
1,4-Dichlorobenzene	MS	1325794-65	ND	0.10611	0.12500	mg/kg		84.9		70 - 130	
	MSD	1325794-65	ND	0.10011	0.12500	mg/kg	5.8	80.1	20	70 - 130	
1,1-Dichloroethane	MS	1325794-65	ND	0.10794	0.12500	mg/kg		86.4		70 - 130	
	MSD	1325794-65	ND	0.12040	0.12500	mg/kg	10.9	96.3	20	70 - 130	
1,1-Dichloroethene	MS	1325794-65	ND	0.11310	0.12500	mg/kg		90.5		70 - 130	
	MSD	1325794-65	ND	0.12412	0.12500	mg/kg	9.3	99.3	20	70 - 130	
Toluene	MS	1325794-65	ND	0.10702	0.12500	mg/kg		85.6		70 - 130	
	MSD	1325794-65	ND	0.11364	0.12500	mg/kg	6.0	90.9	20	70 - 130	
Trichloroethene	MS	1325794-65	ND	0.11129	0.12500	mg/kg		89.0		70 - 130	
	MSD	1325794-65	ND	0.12043	0.12500	mg/kg	7.9	96.3	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1325794-65	ND	0.050010	0.050000	mg/kg		100		70 - 121	
	MSD	1325794-65	ND	0.052010	0.050000	mg/kg	3.9	104		70 - 121	
Toluene-d8 (Surrogate)	MS	1325794-65	ND	0.050280	0.050000	mg/kg		101		81 - 117	
	MSD	1325794-65	ND	0.049280	0.050000	mg/kg	2.0	98.6		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1325794-65	ND	0.050060	0.050000	mg/kg		100		74 - 121	
	MSD	1325794-65	ND	0.050390	0.050000	mg/kg	0.7	101		74 - 121	

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1714						
Acenaphthene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Acenaphthylene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Aldrin	BXA1714-BLK1	ND	mg/kg	0.10	0.024	
Aniline	BXA1714-BLK1	ND	mg/kg	0.20	0.053	
Anthracene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Benzidine	BXA1714-BLK1	ND	mg/kg	3.0	0.22	
Benzo[a]anthracene	BXA1714-BLK1	ND	mg/kg	0.10	0.012	
Benzo[b]fluoranthene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Benzo[k]fluoranthene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Benzo[a]pyrene	BXA1714-BLK1	ND	mg/kg	0.10	0.015	
Benzo[g,h,i]perylene	BXA1714-BLK1	ND	mg/kg	0.10	0.056	
Benzoic acid	BXA1714-BLK1	ND	mg/kg	0.50	0.067	
Benzyl alcohol	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Benzyl butyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
alpha-BHC	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
beta-BHC	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
delta-BHC	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
gamma-BHC (Lindane)	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethoxy)methane	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
bis(2-Chloroethyl) ether	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
bis(2-Chloroisopropyl)ether	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
bis(2-Ethylhexyl)phthalate	BXA1714-BLK1	ND	mg/kg	0.20	0.043	
4-Bromophenyl phenyl ether	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4-Chloroaniline	BXA1714-BLK1	ND	mg/kg	0.10	0.027	
2-Chloronaphthalene	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
4-Chlorophenyl phenyl ether	BXA1714-BLK1	ND	mg/kg	0.10	0.015	
Chrysene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDD	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDE	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
4,4'-DDT	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Dibenzo[a,h]anthracene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Dibenzofuran	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
1,2-Dichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
1,3-Dichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.021	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1714						
1,4-Dichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
3,3-Dichlorobenzidine	BXA1714-BLK1	ND	mg/kg	0.20	0.0067	
Dieldrin	BXA1714-BLK1	ND	mg/kg	0.10	0.031	
Diethyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Dimethyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
Di-n-butyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
2,4-Dinitrotoluene	BXA1714-BLK1	ND	mg/kg	0.10	0.022	
2,6-Dinitrotoluene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Di-n-octyl phthalate	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
1,2-Diphenylhydrazine	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Endosulfan I	BXA1714-BLK1	ND	mg/kg	0.20	0.020	
Endosulfan II	BXA1714-BLK1	ND	mg/kg	0.20	0.021	
Endosulfan sulfate	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
Endrin	BXA1714-BLK1	ND	mg/kg	0.20	0.025	
Endrin aldehyde	BXA1714-BLK1	ND	mg/kg	0.50	0.022	
Fluoranthene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
Fluorene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Heptachlor	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
Heptachlor epoxide	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
Hexachlorobutadiene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
Hexachlorocyclopentadiene	BXA1714-BLK1	ND	mg/kg	0.10	0.019	
Hexachloroethane	BXA1714-BLK1	ND	mg/kg	0.10	0.020	
Indeno[1,2,3-cd]pyrene	BXA1714-BLK1	ND	mg/kg	0.10	0.072	
Isophorone	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
2-Methylnaphthalene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Naphthalene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
2-Naphthylamine	BXA1714-BLK1	ND	mg/kg	3.0	0.16	
2-Nitroaniline	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
3-Nitroaniline	BXA1714-BLK1	ND	mg/kg	0.20	0.015	
4-Nitroaniline	BXA1714-BLK1	ND	mg/kg	0.20	0.025	
Nitrobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.015	
N-Nitrosodimethylamine	BXA1714-BLK1	ND	mg/kg	0.10	0.037	
N-Nitrosodi-N-propylamine	BXA1714-BLK1	ND	mg/kg	0.10	0.021	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1714						
N-Nitrosodiphenylamine	BXA1714-BLK1	ND	mg/kg	0.10	0.021	
Phenanthrene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
Pyrene	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
1,2,4-Trichlorobenzene	BXA1714-BLK1	ND	mg/kg	0.10	0.018	
4-Chloro-3-methylphenol	BXA1714-BLK1	ND	mg/kg	0.20	0.022	
2-Chlorophenol	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
2,4-Dichlorophenol	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
2,4-Dimethylphenol	BXA1714-BLK1	ND	mg/kg	0.10	0.035	
4,6-Dinitro-2-methylphenol	BXA1714-BLK1	ND	mg/kg	0.50	0.012	
2,4-Dinitrophenol	BXA1714-BLK1	ND	mg/kg	0.50	0.0077	
2-Methylphenol	BXA1714-BLK1	ND	mg/kg	0.10	0.017	
3- & 4-Methylphenol	BXA1714-BLK1	ND	mg/kg	0.20	0.033	
2-Nitrophenol	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
4-Nitrophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.018	
Pentachlorophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.013	
Phenol	BXA1714-BLK1	ND	mg/kg	0.10	0.016	
2,4,5-Trichlorophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.018	
2,4,6-Trichlorophenol	BXA1714-BLK1	ND	mg/kg	0.20	0.017	
2-Fluorophenol (Surrogate)	**BXA1714-BLK1**	**85.5**	%	**28 - 144 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**BXA1714-BLK1**	**98.4**	%	**36 - 136 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**BXA1714-BLK1**	**93.1**	%	**31 - 135 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**BXA1714-BLK1**	**83.9**	%	**20 - 140 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**BXA1714-BLK1**	**68.7**	%	**20 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**BXA1714-BLK1**	**64.4**	%	**30 - 150 (LCL - UCL)**		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1714										
Acenaphthene	BXA1714-BS1	LCS	1.3543	1.6722	mg/kg	81.0		50 - 140		
1,4-Dichlorobenzene	BXA1714-BS1	LCS	1.3563	1.6722	mg/kg	81.1		40 - 140		
2,4-Dinitrotoluene	BXA1714-BS1	LCS	1.3618	1.6722	mg/kg	81.4		40 - 140		
Hexachlorobenzene	BXA1714-BS1	LCS	1.2946	1.6722	mg/kg	77.4		46 - 140		
Hexachlorobutadiene	BXA1714-BS1	LCS	1.1426	1.6722	mg/kg	68.3		40 - 120		
Hexachloroethane	BXA1714-BS1	LCS	1.2625	1.6722	mg/kg	75.5		40 - 120		
Nitrobenzene	BXA1714-BS1	LCS	1.1829	1.6722	mg/kg	70.7		40 - 130		
N-Nitrosodi-N-propylamine	BXA1714-BS1	LCS	1.1793	1.6722	mg/kg	70.5		40 - 120		
Pyrene	BXA1714-BS1	LCS	1.0803	1.6722	mg/kg	64.6		40 - 150		
1,2,4-Trichlorobenzene	BXA1714-BS1	LCS	1.2202	1.6722	mg/kg	73.0		40 - 140		
4-Chloro-3-methylphenol	BXA1714-BS1	LCS	1.1380	1.6722	mg/kg	68.1		40 - 130		
2-Chlorophenol	BXA1714-BS1	LCS	1.0505	1.6722	mg/kg	62.8		40 - 130		
2-Methylphenol	BXA1714-BS1	LCS	1.1898	1.6722	mg/kg	71.1		40 - 140		
3- & 4-Methylphenol	BXA1714-BS1	LCS	2.0888	3.3445	mg/kg	62.5		40 - 120		
4-Nitrophenol	BXA1714-BS1	LCS	0.79187	1.6722	mg/kg	47.4		20 - 120		
Pentachlorophenol	BXA1714-BS1	LCS	0.58046	1.6722	mg/kg	34.7		20 - 130		
Phenol	BXA1714-BS1	LCS	1.0570	1.6722	mg/kg	63.2		40 - 120		
2,4,6-Trichlorophenol	BXA1714-BS1	LCS	0.99344	1.6722	mg/kg	59.4		44 - 130		
2-Fluorophenol (Surrogate)	BXA1714-BS1	LCS	1.7329	2.6756	mg/kg	64.8		28 - 144		
Phenol-d5 (Surrogate)	BXA1714-BS1	LCS	2.0613	2.6756	mg/kg	77.0		36 - 136		
Nitrobenzene-d5 (Surrogate)	BXA1714-BS1	LCS	2.1075	2.6756	mg/kg	78.8		31 - 135		
2-Fluorobiphenyl (Surrogate)	BXA1714-BS1	LCS	2.0295	2.6756	mg/kg	75.9		20 - 140		
2,4,6-Tribromophenol (Surrogate)	BXA1714-BS1	LCS	1.5732	2.6756	mg/kg	58.8		20 - 150		
p-Terphenyl-d14 (Surrogate)	BXA1714-BS1	LCS	0.80170	1.3378	mg/kg	59.9		30 - 150		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1714	Used client sample: N										
Acenaphthene	MS	1325870-73	ND	1.3695	1.6835	mg/kg		81.4		40 - 140	
	MSD	1325870-73	ND	1.2826	1.6949	mg/kg	6.6	75.7	30	40 - 140	
1,4-Dichlorobenzene	MS	1325870-73	ND	1.3986	1.6835	mg/kg		83.1		30 - 150	
	MSD	1325870-73	ND	1.3501	1.6949	mg/kg	3.5	79.7	30	30 - 150	
2,4-Dinitrotoluene	MS	1325870-73	ND	1.3288	1.6835	mg/kg		78.9		30 - 140	
	MSD	1325870-73	ND	1.2810	1.6949	mg/kg	3.7	75.6	30	30 - 140	
Hexachlorobenzene	MS	1325870-73	ND	1.3585	1.6835	mg/kg		80.7		30 - 150	
	MSD	1325870-73	ND	1.2199	1.6949	mg/kg	10.8	72.0	30	30 - 150	
Hexachlorobutadiene	MS	1325870-73	ND	1.1817	1.6835	mg/kg		70.2		20 - 140	
	MSD	1325870-73	ND	1.1665	1.6949	mg/kg	1.3	68.8	30	20 - 140	
Hexachloroethane	MS	1325870-73	ND	1.2923	1.6835	mg/kg		76.8		30 - 140	
	MSD	1325870-73	ND	1.2524	1.6949	mg/kg	3.1	73.9	30	30 - 140	
Nitrobenzene	MS	1325870-73	ND	1.2406	1.6835	mg/kg		73.7		30 - 140	
	MSD	1325870-73	ND	1.1826	1.6949	mg/kg	4.8	69.8	30	30 - 140	
N-Nitrosodi-N-propylamine	MS	1325870-73	ND	1.1934	1.6835	mg/kg		70.9		30 - 120	
	MSD	1325870-73	ND	1.1826	1.6949	mg/kg	0.9	69.8	30	30 - 120	
Pyrene	MS	1325870-73	ND	1.0608	1.6835	mg/kg		63.0		40 - 150	
	MSD	1325870-73	ND	0.99101	1.6949	mg/kg	6.8	58.5	30	40 - 150	
1,2,4-Trichlorobenzene	MS	1325870-73	ND	1.2461	1.6835	mg/kg		74.0		30 - 150	
	MSD	1325870-73	ND	1.2269	1.6949	mg/kg	1.5	72.4	30	30 - 150	
4-Chloro-3-methylphenol	MS	1325870-73	ND	1.3049	1.6835	mg/kg		77.5		40 - 130	
	MSD	1325870-73	ND	1.2055	1.6949	mg/kg	7.9	71.1	30	40 - 130	
2-Chlorophenol	MS	1325870-73	ND	1.1911	1.6835	mg/kg		70.8		40 - 130	
	MSD	1325870-73	ND	1.1158	1.6949	mg/kg	6.5	65.8	30	40 - 130	
2-Methylphenol	MS	1325870-73	ND	1.2868	1.6835	mg/kg		76.4		30 - 140	
	MSD	1325870-73	ND	1.2263	1.6949	mg/kg	4.8	72.3	30	30 - 140	
3- & 4-Methylphenol	MS	1325870-73	ND	2.2054	3.3670	mg/kg		65.5		40 - 130	
	MSD	1325870-73	ND	2.2048	3.3898	mg/kg	0.0	65.0	30	40 - 130	
4-Nitrophenol	MS	1325870-73	ND	1.0563	1.6835	mg/kg		62.7		20 - 140	
	MSD	1325870-73	ND	0.91315	1.6949	mg/kg	14.5	53.9	30	20 - 140	
Pentachlorophenol	MS	1325870-73	ND	0.92671	1.6835	mg/kg		55.0		20 - 130	
	MSD	1325870-73	ND	0.72455	1.6949	mg/kg	24.5	42.7	30	20 - 130	
Phenol	MS	1325870-73	ND	1.1365	1.6835	mg/kg		67.5		30 - 130	
	MSD	1325870-73	ND	1.1031	1.6949	mg/kg	3.0	65.1	30	30 - 130	
2,4,6-Trichlorophenol	MS	1325870-73	ND	1.2787	1.6835	mg/kg		76.0		40 - 140	
	MSD	1325870-73	ND	1.1296	1.6949	mg/kg	12.4	66.6	30	40 - 140	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1714	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1325870-73	ND	2.0357	2.6936	mg/kg		75.6		28 - 144	
	MSD	1325870-73	ND	1.8374	2.7119	mg/kg	10.2	67.8		28 - 144	
Phenol-d5 (Surrogate)	MS	1325870-73	ND	2.1718	2.6936	mg/kg		80.6		36 - 136	
	MSD	1325870-73	ND	2.1176	2.7119	mg/kg	2.5	78.1		36 - 136	
Nitrobenzene-d5 (Surrogate)	MS	1325870-73	ND	2.1883	2.6936	mg/kg		81.2		31 - 135	
	MSD	1325870-73	ND	2.1196	2.7119	mg/kg	3.2	78.2		31 - 135	
2-Fluorobiphenyl (Surrogate)	MS	1325870-73	ND	2.0373	2.6936	mg/kg		75.6		20 - 140	
	MSD	1325870-73	ND	1.9944	2.7119	mg/kg	2.1	73.5		20 - 140	
2,4,6-Tribromophenol (Surrogate)	MS	1325870-73	ND	1.9798	2.6936	mg/kg		73.5		20 - 150	
	MSD	1325870-73	ND	1.6914	2.7119	mg/kg	15.7	62.4		20 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1325870-73	ND	0.83782	1.3468	mg/kg		62.2		30 - 150	
	MSD	1325870-73	ND	0.78629	1.3559	mg/kg	6.3	58.0		30 - 150	

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1633						
Gasoline Range Organics (C4 - C12)	BXA1633-BLK1	ND	mg/kg	1.0	0.10	
a,a,a-Trifluorotoluene (FID Surrogate)	**BXA1633-BLK1**	**102**	%	**70 - 130 (LCL - UCL)**		

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1633										
Gasoline Range Organics (C4 - C12)	BXA1633-BS1	LCS	5.5550	5.0000	mg/kg	111		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXA1633-BS1	LCS	0.043000	0.040000	mg/kg	108		70 - 130		

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Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1633	Used client sample: N										
Gasoline Range Organics (C4 - C12)	MS	1400811-48	ND	5.6650	5.0000	mg/kg		113		70 - 130	
	MSD	1400811-48	ND	5.3900	5.0000	mg/kg	5.0	108	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-48	ND	0.041000	0.040000	mg/kg		102		70 - 130	
	MSD	1400811-48	ND	0.040000	0.040000	mg/kg	2.5	100		70 - 130	

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Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1625						
TPH - C8 - C9	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C10 - C11	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C12 - C14	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C15 - C16	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C17 - C18	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C19 - C20	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C21 - C22	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C23 - C28	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C29 - C32	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C33 - C36	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C37 - C40	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C41 - C43	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH - C44 plus	BXA1625-BLK1	ND	mg/kg	1.0	0.50	
TPH (Total)	BXA1625-BLK1	ND	mg/kg	10	2.3	
TPH - Diesel (FFP)	BXA1625-BLK1	ND	mg/kg	10	1.2	
Tetracosane (Surrogate)	**BXA1625-BLK1**	**92.5**	%	**20 - 145 (LCL - UCL)**		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1625										
TPH - Diesel (FFP)	BXA1625-BS1	LCS	66.526	82.508	mg/kg	80.6		64 - 124		
Tetracosane (Surrogate)	BXA1625-BS1	LCS	3.2531	3.3003	mg/kg	98.6		20 - 145		

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123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1625	Used client sample: N										
TPH - Diesel (FFP)	MS	1325870-91	ND	65.260	83.333	mg/kg		78.3		52 - 131	
	MSD	1325870-91	ND	64.643	83.893	mg/kg	0.9	77.1	30	52 - 131	
Tetracosane (Surrogate)	MS	1325870-91	ND	3.1852	3.3333	mg/kg		95.6		20 - 145	
	MSD	1325870-91	ND	3.2227	3.3557	mg/kg	1.2	96.0		20 - 145	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXA1619						
Antimony	BXA1619-BLK1	ND	mg/kg	5.0	0.33	
Arsenic	BXA1619-BLK1	ND	mg/kg	1.0	0.40	
Barium	**BXA1619-BLK1**	**0.30835**	**mg/kg**	**0.50**	**0.18**	**J**
Beryllium	BXA1619-BLK1	ND	mg/kg	0.50	0.047	
Cadmium	BXA1619-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXA1619-BLK1	ND	mg/kg	0.50	0.050	
Cobalt	BXA1619-BLK1	ND	mg/kg	2.5	0.098	
Copper	**BXA1619-BLK1**	**0.18880**	**mg/kg**	**1.0**	**0.050**	**J**
Lead	BXA1619-BLK1	ND	mg/kg	2.5	0.28	
Molybdenum	**BXA1619-BLK1**	**0.081213**	**mg/kg**	**2.5**	**0.050**	**J**
Nickel	BXA1619-BLK1	ND	mg/kg	0.50	0.15	
Selenium	BXA1619-BLK1	ND	mg/kg	1.0	0.98	
Silver	BXA1619-BLK1	ND	mg/kg	0.50	0.067	
Thallium	BXA1619-BLK1	ND	mg/kg	5.0	0.64	
Vanadium	BXA1619-BLK1	ND	mg/kg	0.50	0.11	
Zinc	**BXA1619-BLK1**	**0.35572**	**mg/kg**	**2.5**	**0.087**	**J**
QC Batch ID: BXA1630						
Mercury	BXA1630-BLK1	ND	mg/kg	0.16	0.025	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXA1619										
Antimony	BXA1619-BS1	LCS	93.977	100.00	mg/kg	94.0		75 - 125		
Arsenic	BXA1619-BS1	LCS	9.9674	10.000	mg/kg	99.7		75 - 125		
Barium	BXA1619-BS1	LCS	103.98	100.00	mg/kg	104		75 - 125		
Beryllium	BXA1619-BS1	LCS	10.049	10.000	mg/kg	100		75 - 125		
Cadmium	BXA1619-BS1	LCS	9.9837	10.000	mg/kg	99.8		75 - 125		
Chromium	BXA1619-BS1	LCS	100.15	100.00	mg/kg	100		75 - 125		
Cobalt	BXA1619-BS1	LCS	101.65	100.00	mg/kg	102		75 - 125		
Copper	BXA1619-BS1	LCS	101.25	100.00	mg/kg	101		75 - 125		
Lead	BXA1619-BS1	LCS	102.89	100.00	mg/kg	103		75 - 125		
Molybdenum	BXA1619-BS1	LCS	100.98	100.00	mg/kg	101		75 - 125		
Nickel	BXA1619-BS1	LCS	101.84	100.00	mg/kg	102		75 - 125		
Selenium	BXA1619-BS1	LCS	9.1832	10.000	mg/kg	91.8		75 - 125		
Silver	BXA1619-BS1	LCS	9.8711	10.000	mg/kg	98.7		75 - 125		
Thallium	BXA1619-BS1	LCS	99.734	100.00	mg/kg	99.7		75 - 125		
Vanadium	BXA1619-BS1	LCS	97.525	100.00	mg/kg	97.5		75 - 125		
Zinc	BXA1619-BS1	LCS	100.94	100.00	mg/kg	101		75 - 125		
QC Batch ID: BXA1630										
Mercury	BXA1630-BS1	LCS	0.85200	0.80000	mg/kg	106		80 - 120		

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1619	Used client sample: Y - Description: T7-26, 01/21/2014 11:30										
Antimony	DUP	1401676-03	ND	ND		mg/kg			20		
	MS	1401676-03	ND	54.817	97.087	mg/kg		56.5		16 - 119	
	MSD	1401676-03	ND	55.087	97.087	mg/kg	0.5	56.7	20	16 - 119	
Arsenic	DUP	1401676-03	1.6830	1.6819		mg/kg	0.1		20		
	MS	1401676-03	1.6830	10.680	9.7087	mg/kg		92.7		75 - 125	
	MSD	1401676-03	1.6830	10.806	9.7087	mg/kg	1.2	94.0	20	75 - 125	
Barium	DUP	1401676-03	40.819	36.304		mg/kg	11.7		20		
	MS	1401676-03	40.819	130.58	97.087	mg/kg		92.5		75 - 125	
	MSD	1401676-03	40.819	135.46	97.087	mg/kg	3.7	97.5	20	75 - 125	
Beryllium	DUP	1401676-03	0.10991	0.11818		mg/kg	7.3		20		J
	MS	1401676-03	0.10991	9.6403	9.7087	mg/kg		98.2		75 - 125	
	MSD	1401676-03	0.10991	9.7033	9.7087	mg/kg	0.7	98.8	20	75 - 125	
Cadmium	DUP	1401676-03	ND	ND		mg/kg			20		
	MS	1401676-03	ND	9.3236	9.7087	mg/kg		96.0		75 - 125	
	MSD	1401676-03	ND	9.4487	9.7087	mg/kg	1.3	97.3	20	75 - 125	
Chromium	DUP	1401676-03	5.7869	6.0020		mg/kg	3.6		20		
	MS	1401676-03	5.7869	100.49	97.087	mg/kg		97.5		75 - 125	
	MSD	1401676-03	5.7869	101.72	97.087	mg/kg	1.2	98.8	20	75 - 125	
Cobalt	DUP	1401676-03	3.0549	3.6457		mg/kg	17.6		20		
	MS	1401676-03	3.0549	98.113	97.087	mg/kg		97.9		75 - 125	
	MSD	1401676-03	3.0549	99.030	97.087	mg/kg	0.9	98.9	20	75 - 125	
Copper	DUP	1401676-03	5.9359	6.6603		mg/kg	11.5		20		
	MS	1401676-03	5.9359	105.50	97.087	mg/kg		103		75 - 125	
	MSD	1401676-03	5.9359	106.09	97.087	mg/kg	0.6	103	20	75 - 125	
Lead	DUP	1401676-03	1.1849	0.99298		mg/kg	17.6		20		J
	MS	1401676-03	1.1849	96.199	97.087	mg/kg		97.9		75 - 125	
	MSD	1401676-03	1.1849	96.616	97.087	mg/kg	0.4	98.3	20	75 - 125	
Molybdenum	DUP	1401676-03	0.078192	ND		mg/kg			20		
	MS	1401676-03	0.078192	94.673	97.087	mg/kg		97.4		75 - 125	
	MSD	1401676-03	0.078192	95.458	97.087	mg/kg	0.8	98.2	20	75 - 125	
Nickel	DUP	1401676-03	4.5163	4.9304		mg/kg	8.8		20		
	MS	1401676-03	4.5163	99.491	97.087	mg/kg		97.8		75 - 125	
	MSD	1401676-03	4.5163	100.45	97.087	mg/kg	1.0	98.8	20	75 - 125	
Selenium	DUP	1401676-03	3.8737	4.6193		mg/kg	17.6		20		
	MS	1401676-03	3.8737	12.329	9.7087	mg/kg		87.1		75 - 125	
	MSD	1401676-03	3.8737	11.390	9.7087	mg/kg	7.9	77.4	20	75 - 125	
Silver	DUP	1401676-03	ND	ND		mg/kg			20		
	MS	1401676-03	ND	9.5285	9.7087	mg/kg		98.1		75 - 125	
	MSD	1401676-03	ND	9.6182	9.7087	mg/kg	0.9	99.1	20	75 - 125	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXA1619	Used client sample: Y - Description: T7-26, 01/21/2014 11:30										
Thallium	DUP	1401676-03	ND	0.87358		mg/kg			20		J
	MS	1401676-03	ND	93.045	97.087	mg/kg		95.8		75 - 125	
	MSD	1401676-03	ND	94.063	97.087	mg/kg	1.1	96.9	20	75 - 125	
Vanadium	DUP	1401676-03	13.085	14.660		mg/kg	11.4		20		
	MS	1401676-03	13.085	106.53	97.087	mg/kg		96.2		75 - 125	
	MSD	1401676-03	13.085	107.37	97.087	mg/kg	0.8	97.1	20	75 - 125	
Zinc	DUP	1401676-03	16.852	19.142		mg/kg	12.7		20		
	MS	1401676-03	16.852	112.07	97.087	mg/kg		98.1		75 - 125	
	MSD	1401676-03	16.852	114.15	97.087	mg/kg	1.8	100	20	75 - 125	
QC Batch ID: BXA1630	Used client sample: Y - Description: T8-SS1, 01/21/2014 09:45										
Mercury	DUP	**1401676-01**	**0.066349**	**0.050159**		**mg/kg**	**27.8**		**20**		**J,A02**
	MS	**1401676-01**	**0.066349**	**0.87746**	**0.79365**	**mg/kg**		**102**		**80 - 120**	
	MSD	**1401676-01**	**0.066349**	**0.90016**	**0.79365**	**mg/kg**	**2.6**	**105**	**20**	**80 - 120**	

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TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/31/2014 10:33
Project: Gage Ave Landfill
Project Number: 203004
Project Manager: David Lennon

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A02	The difference between duplicate readings is less than the PQL.

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APPENDIX C

B&D CONSTRUCTION COMPANY, INC.
TEST PIT WORK SUMMARY/RESULTS AND
SLADDEN LABORATORY TEST RESULTS

B&D CONSTRUCTION CO., INC.
LICENSE # A-776709

Comstock Realty Partners LLC
1801 Avenue of The Stars, Suite 421
Los Angeles California 90067

ATTN: Adrian Comstock

February 13, 2014

TEST PIT WORK SUMMARY/RESULTS

B&D Construction recently completed the test pit work at 7316 East Gage Avenue in Commerce CA per the scope of work agreed upon in the contract with Comstock Realty Partners executed in December of 2013. The site was mobilized on January 6th and 7th of 2014 and excavation and screening activities began on January 9th. All site work was completed by January 28th. Allowing for 2 mobilization days, 1 demobilization day, and 2 days of relocating screening equipment to the perimeter trenching areas. The actual number of excavation/screening days used to perform the work totaled 12 complete working days. Due to the nature of the work scope and the goals of the project, B&D added equipment at the site, changed the screening system, and changed the screen deck sizes during the course of the project to optimize the percentage of reusable soil produced by the processing. These changes took several days to complete and this should be noted when considering the average amount of soil processed each day.

We recommend that a summary meeting be set at your earliest convenience to discuss the results and their potential implications for your upcoming development goals at the site. All interested parties, including WM, TRC, & Sladden should be asked to attend the meeting. It would also be appropriate for any other engineering consultants involved in the project to sit in on the meeting. We believe that this meeting will provide the maximum amount of efficient information exchange between the parties and facilitate the path forward. The following bullet points will summarize the work performed and the results achieved by performing the excavation/screening operation.

- The main test pit area and perimeter trenches were staked by B&D under the supervision of TRC on Jan 3 2014.
- Project site was mobilized on Jan 6&7 2014

- Initial equipment mobilized to project site – Screening plant, Loader, Excavator, Water Truck.
- A second excavator was added on Jan 14 to allow for simultaneous excavation and loading of the screen (due to growing excavation size).
- Soil was excavated and screened for a total of 10.5 working days.
- One large 100 x 100 pit was excavated to native soil elevations and sloped back on all four sides per OSHA requirements. All excavated materials were processed thru the screening plant.
- Four perimeter 25 x 75 foot trenches were excavated to native soil elevations and sloped back on all for sides per OSHA requirements. All excavated materials processed thru the screening plant
- A total of approx. 15,000 tons of material was processed thru the screening plant using the original Sandvik 331 plant and deck configuration set to produce 4 product sizes.
- The four product sizes included soil and three gradations of debris.
- This initial screening event produced approximately 35-40% reusable soil and 60 – 65% debris products that would not be reusable to any degree.
- Soil samples were taken by Sladden to confirm the compaction potential of the reusable soil pile. This soil has been deemed reusable per Sladden.
- Visible amounts of soil were visible in two of the debris products after the initial screening work was completed. A decision was made in the field to switch to another larger screening plant and reset the deck sizes to attempt to remove the remaining soil from the debris products and increase the amount of reusable soil generated by the screening process.
- Applicable debris products were rescreened using the new screening plant and reconfigured deck settings to extract more reusable soil from the debris piles. The new equipment and configuration worked very well and removed most of the soil from the debris products. This reprocessing increased the total amount of reusable soil at the site to 45-50%.
- The soil generated by the rescreening process was observed by Sladden and approved as being acceptable for reuse at the site.
- All processed soil and debris stockpiles have been covered with HDPE plastic liners and secured with sandbags. Demobilization of the site is currently near completion.
- There are 3 basic end products to the excavation/screening process at the Gage site: (a)Reusable soil, (b)1-6 inch debris, and (c)greater than 6 inch debris. All three products are stockpiled at the site and available for your review. Pictures of all three products are included as an attachment to this document (see attachment 1)

- The first product generated by the operation is soil acceptable for reuse at the site. Based on our field measurements and observations, we are ESTIMATING that there is approximately 45-50 % of this product in the total material mass of the excavation footprint. The reusable soil product has an approximate density of 1.26 tons per CYD.
- The second product generated by the operation is 1-6 inch debris. Based on our field measurements and observations, we are ESTIMATING that there is approximately 20-25% of this product in the total material mass of the excavation footprint. The 1-6 inch has an approximate density of 1.02 tons per CYD.
- The third product generated by the operation is greater than 6 inch debris. Based on our field measurements and observations, we are ESTIMATING that there is approximately 35-40% of this product in the total material mass of the excavation footprint. The greater than 6 inch debris has an approximate density of .96 tons per CYD
- We ESTIMATE that the soil product is 95% + soil with minimal debris.
- We ESTIMATE that the 1-6 inch debris product is comprised of approximately 70% wood and other organic constituents, 20% rock, concrete, and other inorganic debris, and 10% rubber and shredder fluff type debris.
- We ESTIMATE that the 6 inch plus debris product is comprised of approximately 60% wood, 20% rubber and shredder type debris, and 20% larger rock, brick, concrete, metal, and other inorganic debris.

Best Regards,

Vince Bartleman
B&D Construction Co Inc.

Attachment 1(a)



Attachment 1(b)



Attachment 1(c)



Sladden Engineering

45090 Golf Center Parkway, Suite F, Indio, CA 92201 (760) 863-0713 Fax (760) 863-0847
6782 Stanton Avenue, Suite A, Buena Park, CA 90621 (714) 523-0952 Fax (714) 523-1369
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863
800 E. Florida Avenue, Hemet, CA 92543 (951) 766-8777 Fax (951) 766-8778

February 13, 2014

Project No. 444-04194
14-02-019

Comstock Realty Partners
1801 Avenue of the Stars
Los Angeles, California 90067

Project: Proposed Industrial Development
7316 East Gage Street
City of Commerce, California

Subject: Laboratory Test Results – Samples of Screened Material

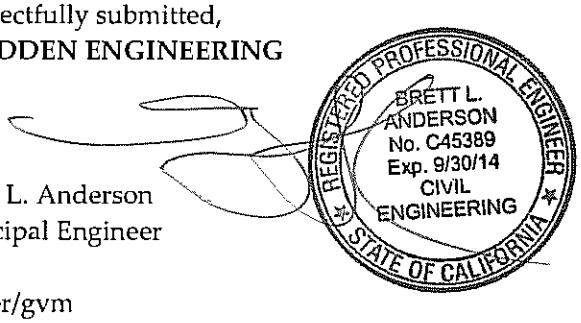
Ref: Geotechnical Investigation report prepared by Sladden Engineering dated October 18, 2004; Project No. 444-4194, Report No. 04-10-247

In accordance with your request, we obtained samples of processed and screened material during the recent excavation/screening operations. Laboratory testing consisted of gradation and organic content determination performed in accordance with ASTM Test Methods D422 and ASTM D2974, respectively. Test results are attached.

Upon review of the test data, it is apparent that the material passing through the 2 ½ inch screen (Sample #1) contains excessive amounts of organics (6.5 %) and is unsuitable for use as engineered fill soil. The material passing through the 3/8 inch screen (Sample #2) contains minimal amounts of organics (0.2 %) and would be suitable for use as engineered fill soil. The supplemental sample (Sample 3) of material passing through the 1 inch screen also contains minor amounts of organics (0.6 percent) and would also be suitable for use as engineered fill.

If you have questions regarding this memo or the test results summarized herein, please contact the undersigned.

Respectfully submitted,
SLADDEN ENGINEERING



Brett L. Anderson
Principal Engineer

Letter/gvm

Copies: 4/Addressee

SLADDEN ENGINEERING
PRELIMINARY DATA SHEET

Job Number: 444-4194 Job Name: Dynamic - Gage Avenue Date: 1/21/2014

Hole																	
Sample #	#1		#2														
Depth																	
Wet Wt																	
# Rings																	
Wt Rings																	
Wet Density																	
Dry Density																	

Dish Wt	0.0		0.0														
Wet Wt	13612		17712														
Dry Wt	12030		15757														
% Moist	13.2%		12.4%														

Wt Before	12030		15757														
Wt After	11246		15727														
% Organics	6.5		0.2														
#4																	
#8																	
#16																	
#30																	
#50																	
#100																	

CONSOL																	
SHEAR																	
EI																	
MA																	
PI																	
C-SERIES																	

SLADDEN ENGINEERING
PRELIMINARY DATA SHEET

Job Number: 444-4194 Job Name: Dynamic - Gage Avenue Date: 2/4/2014

Hole																	
Sample #																	
Description	-1"																
Wet Wt																	
# Rings																	
Wt Rings																	
Wet Density																	
Dry Density																	

Dish Wt	0.0																
Wet Wt	21394																
Dry Wt	19083																
% Moist	12.1%																

Wt Before	19083																
Wt After	18962																
% Organics	0.6																
#4																	
#8																	
#16																	
#30																	
#50																	
#100																	

CONSOL																	
SHEAR																	
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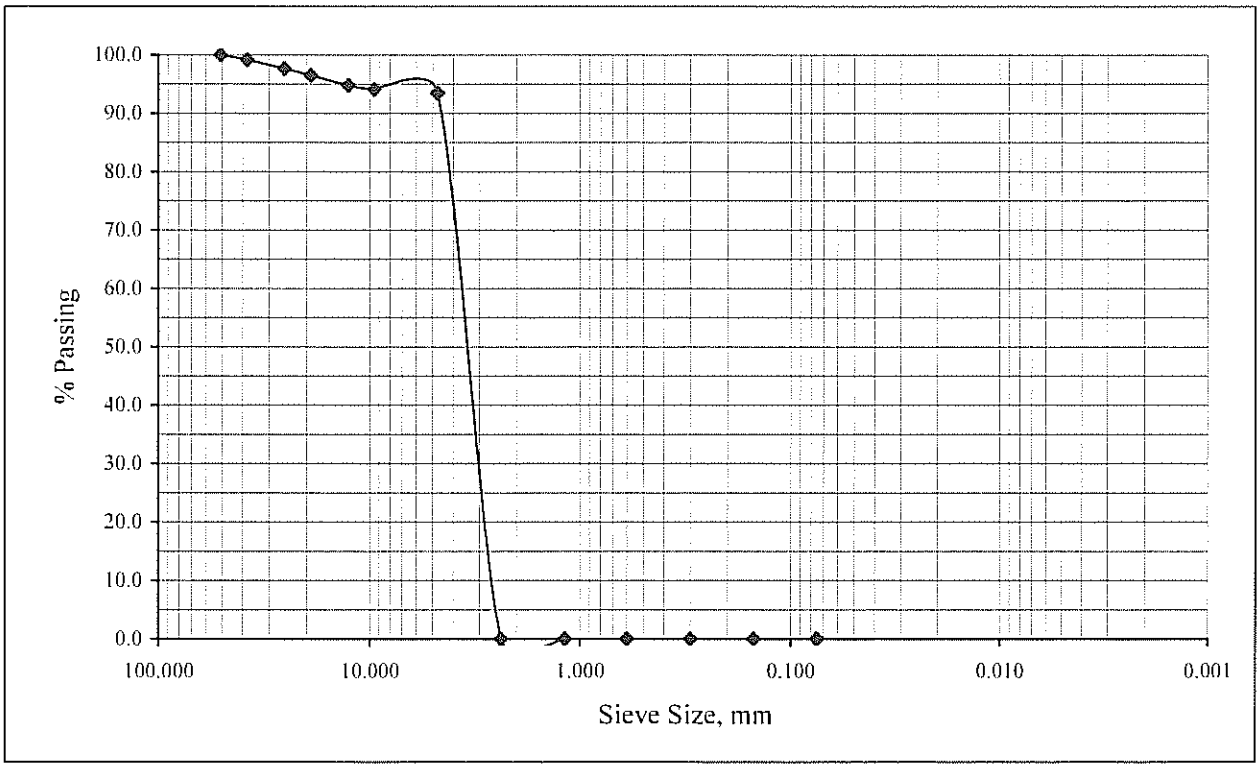
Sladden Engineering
450 Egan Avenue, Beaumont, CA 92223 (951) 845-7743 Fax (951) 845-8863

Gradation

ASTM C117 & C136

Project Number: 444-4194 January 21, 2014
Project Name: Dynamic - Gage Avenue
Lab ID Number: LN6-14016
Sample ID: #1, Organic Material Soil Classification: SM

Sieve Size, in	Sieve Size, mm	Percent Passing
2"	50.8	100.0
1 1/2"	38.1	99.2
1"	25.4	97.7
3/4"	19.1	96.5
1/2"	12.7	94.8
3/8"	9.53	94.1
#4	4.75	93.5
#8	2.36	#DIV/0!
#16	1.18	#DIV/0!
#30	0.60	#DIV/0!
#50	0.30	#DIV/0!
#100	0.15	#DIV/0!
#200	0.075	#DIV/0!



APPENDIX D
SOIL SAMPLING PLAN

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ACRONYMS

DOT	Department of Transportation
EPA	United States Environmental Protection Agency
HASP	Health and Safety Plan
JSA	job safety analysis
ml	milliliter
PID	photoionization detector
TAT	Turn-around-time
VOC	volatile organic compound

D.1 SOIL SAMPLE COLLECTION

Soil confirmation samples will be collected from the excavation floor and sidewalls using either a slide hammer/core barrel attachment with a 1.5 or 2-inch diameter by 6-inch long, stainless steel sleeve or by inserting a new sample container (glass jar or metal sleeve) directly into the exposed soil surface. Soil sample locations that are not accessible due to depth or safety concerns may be collected using a using a backhoe bucket. A soil sample would be collected directly from the soil retained in the backhoe bucket.

All soil samples collected for VOC analysis will be collected directly from the exposed soil surface or sample container, when the exposed soil surface is not accessible using EPA method 5035 samplers. The soil samples collected for VOC analysis will be preserved in the field using pre-preserved 40-milliliter (ml) vials provided by the laboratory, Encores or O2si Smart Kits. The pre-preserved vials will contain measured amounts of methanol and sodium bisulfate. A 5-gram aliquot of soil will be carefully placed into each vial and immediately sealed. Each sample will be labeled with the sample identification number, sample depth, and date of collection. After the samples have been labeled and documented in the chain-of-custody record, they will be placed in a cooler with ice at ~4 degrees Celsius (4° C) for transport to a State-certified laboratory.

D.2 EQUIPMENT DECONTAMINATION

Soil confirmation samples collected directly from the soil surface using the sample container or disposable sample container will not require decontamination.

Equipment requiring decontamination during confirmation sampling is limited to tools such as, the steel trowel or shovel tip and core barrel samplers.

Sample equipment (e.g., trowels, core barrels, etc.) will be cleaned and decontaminated by scrubbing in a Liquinox solution, followed by a rinse, and then a final rinse with deionized water to prevent cross contamination.

The equipment will be allowed to air dry, or will be wiped dry with paper towels. New equipment will be cleaned prior to use. Decontamination water will be used to hydrate waste soil stockpiles prior to offsite disposal at permitted facilities.

D.3 SAMPLE HANDLING

D.3.1 Sample Containers and Preservation

Sample containers (e.g. glass jars, Smart Kits, Encores, etc.) will be delivered to the sampling site or office by the analytical laboratory using standard EPA-approved protocols. Sample containers will be protected from dust or other contamination between the time of receipt and the time of usage at the Site.

D.3.2 Sample Confirmation Sample Nomenclature/Labeling

Each sample will be assigned a unique sample identification number to allow for proper data management. These sample numbers will be included on the sample label, in the daily field sheets to identify notes pertaining to the sample, and on the chain-of-custody form. The sample identification number will consist of a unique sample location and a two-digit sample depth designator.

Samples will be labeled immediately after collection. The following information will be included on the sample label: sample location, sample identification number, date and time of collection, preservatives added (if any), and requested analysis. The labels will be filled out in indelible ink and firmly affixed to the sample container. Clear packing tape will then be used to cover the completed sample label to prevent damage to the label during shipping.

D.3.3 Stockpile Sample Nomenclature/Labeling

All stockpiles will be labeled with a stockpile identification number, material type and classification and the date the stockpile was started.

D.3.4 Stockpile Sample Shipping

A courier service will be used to transport the samples from the Site to the laboratory under chain of custody. The courier will be trained in the proper packaging and transportation of the samples and comply with Department of Transportation (DOT) and/or California Health and Safety Code requirements.

D.4 DOCUMENTATION

D.4.1 Stockpile Chain-of-Custody Record

The purpose of a chain-of-custody record is to create an accurate written record that can be used to trace the possession and handling of a sample from the moment of its collection through analysis. In addition, other information, such as holding times from the field to the laboratory, can be verified.

A chain of custody will be initiated and completed using the approved California Certified Laboratory's chain of custody during sample collection. Possession of every sample will be recorded from the time of collection until the analytical results are fully documented by the laboratory. Generally, the following information will be recorded in the spaces designated on the chain of custody:

- Project name and number
- Site name and address
- Sampler's name (signature and print), organization, and address
- Identification/field sample number (distinguish the number zero from the letter 'O' by drawing a slash through the number zero)
- Date and time of collection
- Sample type (soil, groundwater, etc.)
- Number of sample containers
- Laboratory parameters (use a separate column for each analysis, and check using an 'X', the specific parameter to be analyzed)
- Turn-around-time (TAT; i.e., 24 hours, 5 working days, etc.)

All individuals relinquishing and receiving samples will sign, date, and indicate the time in the lower portion of the chain of custody. If an error is made on the chain of custody prior to custody transfer, it will be crossed out and initialed, and the correct information written above the error. If an error is made after custody transfer, TRC will immediately notify the laboratory and any other organization to which the information was submitted of the correction.
The chain of custody will accompany the samples at all times while the samples are in transit. Upon receipt of the samples at the laboratory, the laboratory sample custodian will sign and date the chain of

custody, indicating acceptance of the samples. The original (white copy) of the completed chain of custody will be maintained at the laboratory until submittal of analytical results, at which time the original, or a photocopy if other laboratories are involved, is remitted with the analytical results. A copy of the completed chain of custody will be maintained by the project.

D.4.2 Field Notes

A daily record of significant events, observations, and measurements during field activities will be maintained by field personnel. All members of the field team will use a daily field log form, which will be kept as a permanent record.

It should be noted that field entries will be factual, detailed, and objective. The following are items which will, if applicable, be recorded during field activities:

- Name and location of the Site
- Name and affiliation of sampling team members
- Time of arrival on the Site
- Weather conditions
- Arrival and departure times of visitors
- Health and safety related issues (site-specific HASP and job safety analysis [JSAs] will be onsite at all times)
- Summary of day (e.g., excavation progress, down time, etc.)
- Dates and times of sample collections or events
- Numbers and types of samples collected, sample location, and sample identification
- A description of sampling methodology
- Field measurements of samples (i.e., PID readings)
- Description of lithology and observations related to soil excavations
- Record of telephone calls and/or contact with people at the Site
- Any problems or unusual observations

APPENDIX E

QUALITY ASSURANCE PROJECT PLAN

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Table E-1 Analytical Methods, Reporting Limits, and Samples Preservation and Storage Requirements

Figure E-1 Project Organization and Responsibility

ACRONYMS

BS	blank spike
CFR	Code of Federal Regulations
COC	chain of custody
COPC	chemical of potential concern
DQO	data quality objectives
EPA	United States Environmental Protection Agency
HAZWOPER	Hazardous Waste Operations and Emergency Response
HASP	Health and Safety Plan
JSA	job safety analysis
LCS	laboratory control sample
MS	matrix spike
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyls
PID	photoionization detector
QA	quality assurance
QAPP	quality assurance project plan
QA/QC	quality assurance/quality control
QC	quality control
RAP	remedial action plan
RPD	relative percent difference
TPH	total petroleum hydrocarbon
TPH-d	total petroleum hydrocarbon as diesel
VOC	volatile organic compound

E.1 PROJECT MANAGEMENT

This Quality Assurance Project Plan (QAPP) has been prepared for the Gage Avenue Disposal Site (Site) located at 7316 East Gage Avenue in Commerce, California (Site), on behalf of Comstock Gage, LLC (Comstock).

The approach described in this QAPP generally follows the methods and procedures outlined in the following documents:

- Quality Assurance Guidance for Conducting Brownfields Site Assessments, U.S. EPA, 1998.
- Guidance for Quality Assurance Project Plans (EPA QA/G-5), U.S. EPA, 2002.

E.1.1 Project Definition and Background

This QAPP presents technical procedures, guidance and quality assurance (QA) requirements for activities required to complete soil remediation as described in the Remedial Action Plan (RAP) to ensure data precision, accuracy, completeness, representativeness, and comparability. The RAP describes specific procedures that will be used to implement the removal of all solid wastes and soil within the Site. A detailed description of Site history and previous investigations is given in Section 1.0 of the RAP.

E.1.2 Project Organization and Responsibility

Figure F-1 illustrates the relationships and the lines of communication among all project participants, including Project Director, Project Manager, Site Superintendent, Project QA/QC Officer, Project Health and Safety Officer, field technicians and subcontractors (land surveyors, analytical laboratory, and waste disposal and transportation services). The structure defined in this QAPP has been developed to enhance project control and obtain proper QA for the Site field activities.

The key responsible parties for the remediation excavation work at the Site are as follows:

Site Owner
Comstock Gage LLC
c/o Comstock Realty Partners, LLC
1801 Avenue of the Stars, Suite 421
Los Angeles, CA 90067

Contact: Mr. Adrian Comstock
Phone: (310) 444-5550

Project Director
TRC Solutions
123 Technology Drive West
Irvine, CA 92618

Contact: Mr. David Lennon
Phone: (949) 727-9336

Project Manager
TRC Solutions
123 Technology Drive West
Irvine, CA 92618

Contact: Jim Ferrara, PG
Phone: (949) 727-9336

Site Superintendent
TRC Solutions
123 Technology Drive West
Irvine, CA 92618

Contact: Mike Kilbarger
Phone: (949) 727-9336

Project QA/QC Officer
TRC Solutions
TRC Solutions
707 Wilshire Blvd., Suite 3250
Los Angeles, CA 90017

Contact: Todd Stanford
Phone: (213) 213-9404

Project Health and Safety Officer
TRC Solutions
707 Wilshire Blvd., Suite 3250
Los Angeles, CA 90017

Contact: Chris Phillips, CIH, CHMM
Phone: (213) 213-9405

Remedial Excavation Contractor
B&D Construction Company
145 North 10th Avenue
Upland, CA 91786

Contact: Vince Bartleman
Phone: (310) 408-2415

E.1.2.1 Project Director

The Project Director has overall responsibility for all aspects of the project including communication with the Regional Water Quality Control Board - Los Angeles Region (RWQCB) and the owner for planning, scheduling, controlling, and coordination of assigned project tasks. The Project Director will designate a Project Manager, Site Superintendent, Quality Assurance/Quality Control (QA/QC) Officer, Health and Safety Officer, and field technicians. Monitoring the Project Manager's activities and overseeing the preparation and implementation of the RAP are also the responsibility of the Project Director.

E.1.2.2 Project Manager

The Project Manager assists the Project Director and has responsibility for communication with the RWQCB and the owner for planning, scheduling, controlling, and coordination of assigned project tasks. The Project Manager is responsible for the implementation, tracking, documentation and compliance verification of all field activities. The Site Superintendent is responsible for the oversight and documentation of field activities for the Project Manager. The Project Manager oversees all individual members of the QA Team and task managers.

E.1.2.3 Site Superintendent

The Site Superintendent has the responsibility for the completion of all day to day project activities and deliverables associated with those field activities. The Site Superintendent is responsible for the day to day control of field planning, oversight and implementation of the scope of work as detailed in the RAP. Additionally, the Site Superintendent monitors field personnel including subcontractors' activities and remediation team coordination.

E.1.2.4 Project QA/QC Officer

The QA/QC Officer reports to the Project Manager. The QA/QC Officer is responsible for monitoring and verifying that the activities conducted on the Site are in accordance with the provisions of the RAP. The QA/QC Officer also has the responsibility for assessing the effectiveness of the field QA/QC procedures at the Site and shall recommend any modifications to the Project Manager. The QA/QC Officer is also responsible for providing the Project Manager with a report on data reduction and data validation associated with field and laboratory activities

E.1.2.5 Project Health and Safety Officer

The Project Health and Safety Officer reports to the Project Manager and coordinates with the Site Superintendent. The Project Health and Safety Officer has the responsibility of monitoring the implementation of the Site Health and Safety Plan (HASP) and Job Safety Analysis (JSA) and verifying that the activities conducted at this Site are in accordance with the provisions of the HASP. The Project Health and Safety Officer also has the responsibility of advising the Project Manager with regard to health and safety issues.

E.1.2.6 Field Technicians

Each field technician is responsible for completion of assigned project activities. The field technicians are responsible for understanding and implementing this QAPP, HASP and RAP as it relates to their respective assignment. The field technicians also have the responsibility of ensuring that all subcontractors, staff, and visitors to the site follow health and safety protocol according to the HASP.

E.1.2.7 Qualifications of Personnel

Individuals following this RAP (including the QAPP and HASP) must receive, at a minimum, orientation to the project's purpose, scope, and methods of implementation and must do so prior to commencing any field activities. The Project Manager, Site Superintendent or Project Health and Safety Officer will perform this orientation. Onsite personnel must have documented experience or direct training in the procedures performed during each phase of the project, unless on-the-job training is provided by

experienced personnel qualified to conduct each trainee's assignment and the results of that training are documented.

Field technicians will be trained in site-related field activities and safety protocols outlined in the RAP. Field activities include excavation oversight, SCAQMD Rule 1150 and Rule 1166 monitoring, site safety monitoring, particulate monitoring and confirmation soil sample collection (e.g. EPA Method 5035 Encore samplers, etc.) and handling. Subcontractors are responsible for their own training, but will be reviewed by TRC personnel prior to commencing work. The TRC site superintendent and field technicians will monitor all field activities.

Field technicians, including subcontractor personnel, must be trained in the 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course (including annual updates with 8-hour refresher courses), that are designed to meet the Occupational Safety and Health Administration (OSHA) training requirements for hazardous waste operations for general site workers as required by 29 CFR 1910.120(e)(3). Proof that all required training has been completed must be maintained on the site/project at all times, including:

- OSHA 40-Hour HAZWOPER Card
- OSHA 8-Hour Annual HAZWOPER Refresher Card

Verification of all cards will be determined during daily safety meetings prior to field activities.

E.1.2.8 Laboratory and Certifications

All samples will be analyzed by laboratories certified by the California Department of Health Services.

E.1.3 Quality Objectives and Criteria for Measurement Data

This section presents the data quality objectives (DQOs) for the project and the performance criteria necessary to meet these DQOs. Five DQOs for the assurance of quality data – accuracy, precision, completeness, representativeness, and comparability - are defined, and the procedures to be followed to support and assess these objectives are presented. Taken together, the quality assurance objectives provide both quantitative and qualitative assessments of data collection and analytical procedures at the field and laboratory levels.

E.1.3.1 Quantitative Objectives: Precision, Accuracy, and Completeness

Precision

Precision (reproducibility) is estimated by comparing the analytical results of duplicate samples. Precision is determined at both the field and laboratory levels. Split duplicate soil samples will be collected at the rate of approximately 10 percent of the primary soil samples collected. The samples will be collected and labeled as described in the Confirmation Sampling Plan (Appendix E of the RAP), except a greater volume will be collected. Once collected, the sample will be divided and placed into two or more laboratory-supplied sample containers. The samples will be divided into primary samples and duplicate samples. Duplicate samples will be analyzed for the same suite of analyses as their corresponding primary sample. Precision is also measured as an internal laboratory batch QC check for all analytical methods. As described below, matrix spikes (MS) and/or blank spikes (BS) are analyzed in

duplicate. The analytical results are compared and reported by the laboratory as the relative percent difference (RPD):

$$RPD = \frac{2|C_1 - C_2|}{C_1 + C_2} x100$$

where C_1 and C_2 are the concentrations in the duplicate samples.

In addition to the MS and BS, the laboratory may split an environmental sample from a single container to create a laboratory duplicate.

Precision goals (upper limits for the RPD) are established by the analytical laboratory for each method and detailed in analytical reports. Precision goals vary by MS, BS, and laboratory duplicates, and they are updated annually. Out-of-range precisions are summarized by the laboratory in a case narrative for the analytical report. This information is used for data validation as described in Section E.4.

Precision values will be calculated for the field duplicates upon receipt of the analytical data. The precision goals established by the laboratory for the BS will be adopted for the field duplicates. Precision will only be calculated for analytes at or above concentrations ten times the reporting limit. Out-of-range precision values for field duplicates will be used for data validation as described in Section E.4.

Accuracy

Accuracy quantifies the extent to which a measurement agrees with a known reference or true value. It is determined in the analytical laboratory by 'spiking' samples with a known concentration of analyte and comparing the measured concentration with the spiked value. Accuracy is expressed as a percentage, known as the recovery (R) of the measured concentration (C_m) less the sample or "background" concentration (C_b) to the spike concentration (C_s):

$$R = \frac{(C_m - C_b)}{C_s} x100$$

Accuracy is measured on both an individual sample basis with the use of surrogate spikes (organic analyses only) and for each group of samples analyzed together as a 'batch'. Surrogates are organic compounds that are similar to organic analytes of environmental interest in their behavior in the analytical process but are rarely found in environmental samples. They are spiked into each laboratory sample, including quality control (QC) samples, and percent recoveries are calculated and reported for each surrogate.

For the batch QC, one or more of the following types of spiked samples are used to assess the accuracy of the method for the batch:

- Matrix or Sample Spike (MS): One sample in the batch is spiked and analyzed to determine R (usually analyzed with a matrix or sample spike duplicate; see Precision)
- Blank Spike (BS): A laboratory-prepared blank sample is spiked and analyzed to determine R (usually analyzed with a blank spike duplicate; see Precision)

- Laboratory Control Sample (LCS): A laboratory-prepared blank sample is spiked and analyzed to determine R (usually not analyzed with a duplicate)

Accuracy goals (acceptance limits for R) are established by the analytical laboratory for each method and detailed in the analytical reports. Accuracy goals vary by surrogate, MS, BS, and LCS, and they are updated annually. Out-of-range recoveries are summarized by the laboratory in a case narrative for the analytical report. This information is used for data validation as described in Section E.4.

Completeness

Completeness (C) is the percentage of measurements planned (N_p) that are actually obtained and validated (N_v):

$$C = \frac{N_v}{N_p} x100$$

Each of the QC sample types (field duplicates, equipment blanks, and temperature blanks) is used in the data validation process; consequently, each plays a role in assessing completeness. Completeness provides a final, overall measure of data quality for the project. A realistic project goal of 90 percent for each analyte is established.

E.1.3.2 Qualitative Objectives: Comparability and Representativeness

Comparability

Comparability describes the extent to which valid comparisons between measurements taken at different locations and different times can be made. Like representativeness, comparability can only be ensured in a qualitative fashion. Consistency in sampling methods, measurement devices, calibration practices, and reporting limits and units (Table E-1) will help to ensure comparability. Deviations from protocols will be noted in field records and used for data validation as described in Section E.4.

Representativeness

An important goal of the field investigations is to collect data that are representative of conditions at the site. Since the true conditions, i.e., chemical concentrations, are not known in an absolute sense, they cannot be compared to the measured values in a quantitative fashion. Instead, quality control samples and other procedures are used to qualitatively assess data representativeness.

Field procedures, such as equipment decontamination before sampling and adherence to established practices for sample collection, help ensure that the data collected represent subsurface conditions at the site and are not compromised by sampling methods or cross-contamination.

As a check on cross-contamination from sampling equipment during soil sampling, equipment blanks will be collected at a rate of one per day when soil sampling occurs using field sampling tools. Prior to use in collecting a soil sample, laboratory grade de-ionized water will be poured over the field sampling tool (e.g. stainless steel hand shovel) and allowed to drain into sample containers. This is done in the field after equipment decontamination but prior to sample collection. Analytical data from the equipment blanks will be used for data validation as described in Section E.4.

Sample preservation and custody procedures, described in Section E.2.2, such as the check on sample temperature and headspace (for groundwater samples) by the laboratory upon receipt of samples, and

adherence to method preservation and holding time requirements (Table E-1) help ensure that subsurface analyte concentrations have not been altered in the storage and shipping process. Additionally, a temperature blank - a laboratory-supplied 40-milliliter (mL) glass container of water - will accompany each cooler to the laboratory, and the temperature will be measured upon arrival.

As a check on potential cross-contamination of volatile samples during storage and shipping, a trip blank, laboratory-supplied deionized water in the appropriate container(s) for volatile organic compound (VOC) analysis, is normally placed in each cooler sent to the laboratory. Trip blanks will not be required when VOC analysis is not performed.

At the laboratory level, a QC check on cross-contamination from laboratory equipment is accomplished with a method blank, a laboratory-prepared blank sample analyzed with each sample batch. Positive results in a method blank are discussed in the laboratory analytical reports and are used for data validation as discussed in Section E.4.

E.1.4 Documentation and Records

The following documents and records will be maintained for this project:

- RAP
- QAPP
- HASP
- Daily Field Reports (DFRs)
- Chain-of-custody (COC) forms
- Laboratory Data Reports (LDRs)
- Waste manifests and bills of lading
- Survey reports

The Project Manager is responsible for maintaining the above records. Documentation will be maintained for a minimum of 5 years following completion of the project.

E.2 DATA GENERATION AND ACQUISITION

This section describes the general procedures that are to be followed by all Field Staff involved in data collection.

E.2.1 Sampling Requirements

As described in detail in Section 3.0 of the RAP, the data collection program consists of randomly generated confirmation soil sample locations within remediation area floor.

Remedial excavation floor and sidewall soil samples will be analyzed for chemicals of potential concern (COPCs), as follows:

- Total petroleum hydrocarbons as gasoline (TPH-G) using United States Environmental Protection Agency (EPA) Method 8015M;
- Total petroleum hydrocarbons as diesel and motor oil (TPH-D/TPH-O), carbon chain identification, C13 to C44 using EPA Method 8015M;

- VOCs using EPA Method 5035/8260B;
- SVOCs including polynuclear aromatic hydrocarbons using EPA Method 8270C;
- Organochlorine pesticides and PCBs using EPA Method 8080; and
- Title 22 metals using EPA Method 6000/7000.

E.2.2 Sample Handling and Custody

E.2.2.1 Sample Containers, Preservation, and Holding Time

Container type, holding time, and preservation methods for analytical samples will conform to the specific analytical method as summarized in Table E-1.

E.2.2.2 Sample Numbering and Labeling

All samples submitted for analysis, including quality control samples, will be assigned a unique identification number.

All samples submitted for analysis, including QC samples, will be assigned a consecutive and increasing whole number as the sample identification. In addition to the sample number, the project location, sampler's initials, and the date and time of collection will be included on the sample label. Sample tracking will be accomplished via the COC records.

Equipment field blanks will also be submitted blind and will be given fictitious names beginning with "water" then the day of sample collection using the YYYY-MM-DD format. For example, the blank collected on August 18, 2015 would be "water-2015-10-18".

The location of each confirmation sample will be surveyed by a hand-held GPS in the field.

E.2.2.3 Sample Custody

All samples submitted to the analytical laboratory, including quality control samples, will be accompanied by a COC. COCs allow for the tracing of possession and handling of the samples from the time of field collection through laboratory analysis. Field Staff will be trained in the proper procedures for completing a COC.

The person accepting custody of samples at the analytical laboratory shall break the custody seals on the coolers and shall check the samples against the COC. The receiving personnel will enter all arriving samples into a laboratory logbook and note any problems or discrepancies between the samples, the COCs, sample containers, and seal conditions and report them immediately. If no problems or discrepancies are apparent, the receiving personnel shall sign the COCs. The samples shall be assigned a unique lab number for analysis, which will be cross-referenced to the original field sample number, recorded in the laboratory notebook, and reported in the laboratory report. The analytical laboratory retains one copy of the COC, and returns one copy of the COC to the site superintendent or QA/QC officer.

COC protocol is followed for all soil and water samples selected for laboratory analysis. The COC form(s) accompanies the samples from the Site to the laboratory, providing a continuous record of possession prior to analysis.

E.2.2.4 Sample Packing and Shipment

After the samples have been labeled and documented in the COC record, they are placed in a cooler with ice to achieve a temperature of approximately 4 degrees Celsius (ºC) prior to and during transport to a state-certified laboratory for analysis. Samples not selected for immediate analysis may be transported in a cooler with ice and archived in a frostless refrigerator at approximately 4ºC for possible future testing.

E.2.2.5 Field Documents and Records

Field technicians will document all field activities during site remediation activities. Field documentation to be completed includes:

HASP – Daily Meeting Attendance Record

Every day, prior to commencement of the field activities, field technicians will provide a site health and safety meeting to all personnel involved (including staff, visitors, agency leaders, and subcontractors). Following the meeting, all personnel will sign and date an attendance record to confirm that they have attended the meeting and they understand the scope of work and safety protocol involved in the field activities.

Daily Field Records

The Site Superintendent or a field technician will fill out a daily field record (DFR) sheet and include the job name, project number, day and date, location, and weather conditions. Other information to be recorded on DFR sheet will include:

- A detailed chronological record of activities and events
- Variances from the RAP or Confirmation Sampling Plan
- Records of telephone conversations
- Equipment cleaning and calibration notes
- Field Data Sheets and calibration record for specific equipment will be attached

Field Records

The following will be recorded in a field logbook by the Site superintendent or Field Technicians:

- The start and end of activities each day;
- The reason any sampling point cannot be accessed;
- The time of soil sampling at each sample location and the name of the sampler;
- The corresponding primary soil sample for each field duplicate soil sample that is collected;
- The time each cooler of confirmation samples are picked up by the laboratory's courier and the name of the courier; and
- Any deviations from these procedures, the reason(s) for the deviation, and the personnel involved in the decision.

E.2.3 Analytical Methods

Analytical methods are listed in Table E-1. Methods were selected in order to obtain reporting limits below the cleanup goals.

E.2.4 Quality Control

Field and laboratory quality control measures are discussed in Section E.1.4. Level 2 laboratory QA/QC measures will be implemented.

E.2.5 Instrument and Equipment Testing, Inspection, and Maintenance

Various field instruments (PID, four gas meter, etc.) will be used during field activities at the site, including monitors for airborne particulate monitoring. Field instrument maintenance will be documented in the field data sheet for each instrument used during field activities. Field equipment will be maintained when routine inspections indicate the need for maintenance. In the event that a piece of equipment needs repair, a list of the field equipment manufacturers' addresses, telephone numbers, and points of contact will be maintained on site during field activities. Field equipment routine maintenance may include:

- Calibrating equipment according to manufacturers' directions
- Removing surface dirt and debris
- Replacing and cleaning filters
- Ensuring proper storage of equipment
- Inspecting instruments prior to use
- Charging battery packs when not in use
- Maintaining spare and replacement parts in field to minimize downtime.

The primary objective of a preventive maintenance program is to help ensure the timely and effective completion of a measurement effort by minimizing the downtime of crucial equipment due to expected or unexpected component failure. Laboratory instrument maintenance including standard preventive maintenance procedures and schedules will also be followed. Instruments will be continually monitored by the use of daily standards, sensitivity, and response checks to determine if maintenance is required.

E.2.6 Instrument and Equipment Calibration and Frequency

Methods for calibration of field instruments will follow the specific instrument manufacturers' recommendations. All field instruments will be calibrated before each day of use. A calibration check at the end of the day will be performed to verify that the instrument remained in good working condition throughout the day. If the calibration check at the end of the day does not meet acceptance criteria, then the day's data will be flagged and the instrument calibration checks will increase to the operator's satisfaction that the instrument remains true to the initial calibration.

Laboratory instrument calibration will be performed as specified in the method documentation. Specific laboratory calibration techniques are established for the U.S. EPA methods to demonstrate that the analytical instrument is operating within the design specifications and that the quality of the data generated can be replicated.

E.2.7 Inspection and Acceptance for Supplies and Consumables

Supplies and consumables used during remediation activities (e.g., stainless steel sample tubes, deionized water, and calibration gases) will be inspected by field technicians for damage and cleanliness prior to use.

E.2.8 Data Acquisition Requirements (Non-direct Measurements)

Data needed for project implementation or decision-making that are obtained from non-direct measurements include historical site documents and literature files. Data from previous investigations (e.g., lithology, soil analytical data) may be used as a reference for field implementation or field decision-making aspects of this project.

E.3 ASSESSMENT AND OVERSIGHT

Performance assessments of laboratory and field operations may be conducted to assess the effectiveness of the QAPP, identify any non-conformances, and verify correction of identified deficiencies. Assessments include, but are not limited to, technical systems audit (i.e., laboratory audits), field operations audits, and audits/assessment of data quality.

E.3.1 Assessments and Response Actions

The QA/QC officer will evaluate the need for a performance audit of the laboratory with due consideration given to the recommendations of the Site Superintendent. Performance audits are utilized to quantitatively assess the accuracy of measurement data through the use of performance evaluation and blank check samples.

System audits may be conducted at the discretion of the QA/QC officer. The audits may be conducted of field operations to review the data generation process. The system audits may include on-site review of the field operations, sampling activities, equipment, calibration procedures, or any other procedures described in this QAPP.

E.3.2 Reports to Management

Audit and assessment reports will be reviewed by the Site Superintendent and/or Project Manager. The reports will contain information regarding:

- Status of the project
- Results of performance evaluations and system audits
- Results of periodic data quality assessments
- Significant quality assurance problems and recommended solutions

E.4 DATA VALIDATION AND USABILITY

This section of the QAPP addresses the final project QA to determine if the data collected during remediation activities conform to the specified criteria discussed in the Soil Sampling Plan (Appendix E of the RAP) and estimate the effects of any deviations. Field and laboratory data will be evaluated with respect to the DQOs discussed in Section E.1.4 of this QAPP. The process presented below will invalidate data determined to be inaccurate, imprecise, unrepresentative, or incomparable. Completeness will be calculated for each analyte as the last step in the validation process.

Step 1 – Laboratory Evaluation

Each LDR will be checked to ensure that the samples arrived intact and cold (temperature blank measurement of 4±2°C). For each analyte, the sample collection dates and times will be compared to the dates of analysis to ensure that required hold times (Table E-1) were not exceeded. Any non-

conformances will be discussed with the laboratory to determine the effects on the validity of the analytical results. This discussion will be used to determine, on a case-by-case basis, if the data are unrepresentative and should be invalidated.

Secondly, each LDR will be reviewed for non-conformances in internal laboratory QC samples – positive detects in method blanks, surrogate or spiked sample recoveries that are out the accepted accuracy range, and relative percent differences between spiked sample duplicates that may indicate an unacceptable method precision. Usually, any non-conformances will be noted in the laboratory report case narrative along with an assessment, based on internal laboratory procedures, of whether the batch data are acceptable. Any data deemed invalid by the laboratory will also be invalidated by the PC; conversely, data deemed acceptable by the laboratory will also be accepted by the PC.

Step 2 – Equipment and Trip Blank Evaluation

Analytical results for field equipment blanks will be evaluated to determine if potential contamination from field procedures could have occurred, for example, from improperly cleaned sampling equipment that could potentially cause cross-contamination from one sample location to another sample location. Any detections of analytes in the equipment blank will be compared to the detections in the field samples to determine if there is any correlation. Detections of analytes in the equipment blank that are determined to have a correlation with analytical results from field sample(s) will be noted on the LDR and will be subject to re-testing and/or additional field sampling.

Step 3 – Evaluation of Field Duplicates

To assess method precision, the RPD will be calculated for field duplicates as discussed in Section E.1.3.1. Out-of-range precision values for field duplicates will invalidate the data for both samples.

Step 4 – Completeness

Completeness will be calculated to provide a final, overall measure of data quality for the project. A completeness goal of 90 percent is established.

E.5 DATA MANAGEMENT

The principal objective of a data management plan is to provide consistent and rapid access to accurate, validated data useful to site decision-makers. Specific data management objectives for this project include:

- Ensuring that large volumes of both non-electronic and electronic data can be efficiently accessed
- Ensuring that uncorrupted field data are transferred to a long-term, easily accessed data storage system
- Ensuring that the description of each data point is accurate, meaningful, and complete

A data management plan for each site data medium is discussed below.

Field-Generated Data

All DFR sheets (Section E.1.4 and Section E.2.2.5) generated during the project will be photocopied and stored in the project file by the Project Manager. The originals will be maintained by the Site

Superintendent or field technician generating the data. GPS data will be submitted to the QA/QC Officers for input into the project database.

Laboratory-Generated Data

Laboratory analytical results will be received from the laboratory both as printed, signed reports (LDRs) and as electronic deliverables (EDDs) or Excel files. Laboratory data will be preserved in an Access database, which will be designed to easily manipulate data by date, location, medium, analyte, depth, QA/QC level, and Field Technicians generating the data (see below). Each sample will be uniquely identified as described in Section E.2.2.2.

Survey Data

Survey data will be obtained in electronic form from a licensed surveyor, and downloaded into the database.

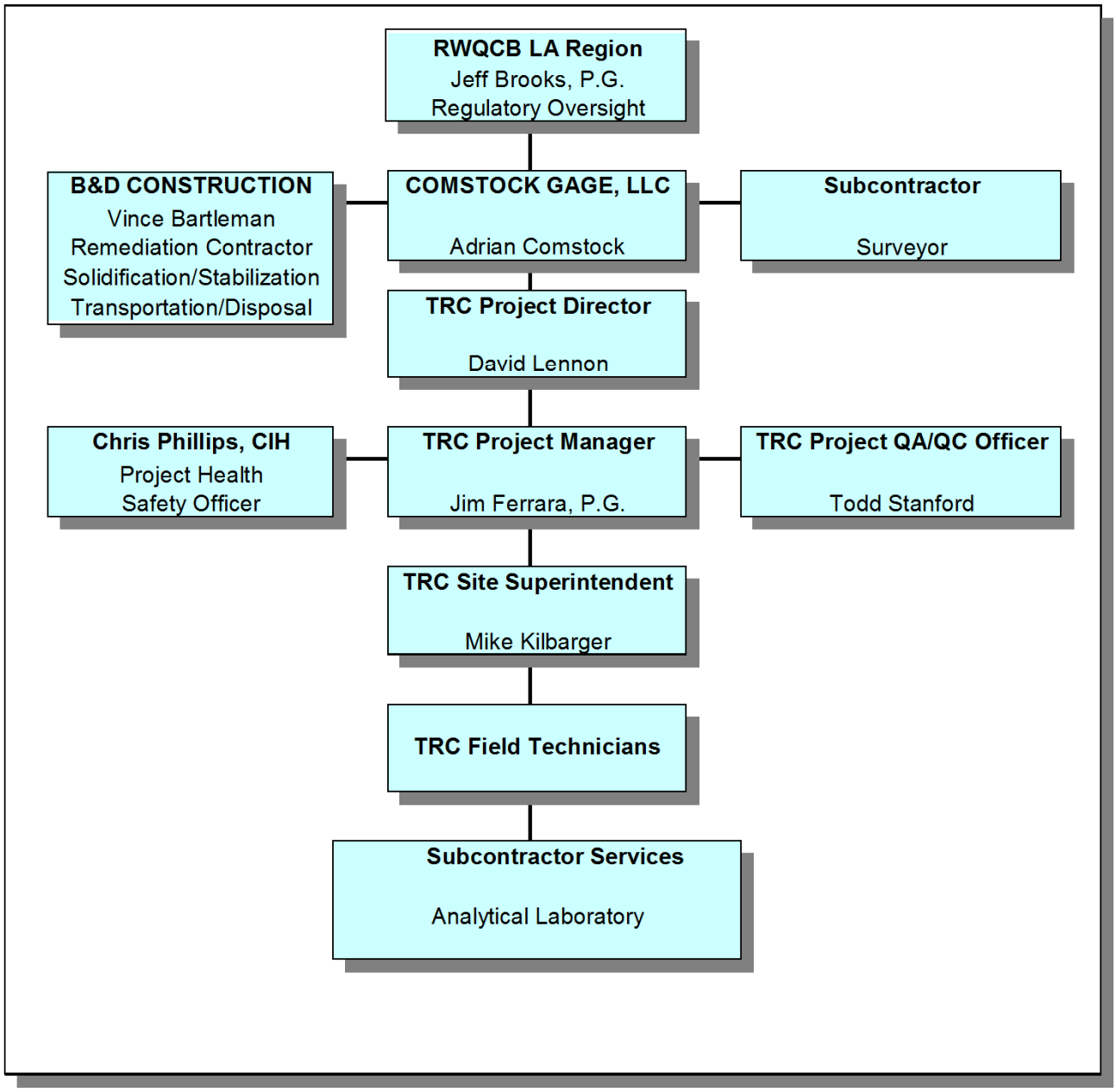


FIGURE E-1
PROJECT ORGANIZATIONAL CHART

TABLE E-1

SAMPLE CONTAINERS, PRESERVATION, AND HOLDING TIMES FOR SOIL
Gage Avenue Disposal Site
Commerce, California

Parameter (EPA Method)	Number of Containers Per Sample	Preservation	Holding Time
SOIL			
VOCs (EPA Method 5035/8260B)	O2si Sample Smart Samplers	None, 4°C	14 days from VTSR (1)
TPH C4 - C12 (EPA Method 8015B)	Two 8-oz glass jars with Teflon lid	None, 4°C	14 days from VTSR (1)
TPH C8 - C44 (EPA Method 8015B)			
SVOCs (EPA Method 8270C)			
Title 22 metals (EPA 6010B/7471A)			
Organo Chlorine Pesticides and PCBs (EPA 8080)			
WATER			
Petroleum Hydrocarbons (TPH-G) (EPA 8260B)	Three 40-mL VOA vials	HCl, 4°C	14 days from VTSR
VOCs (including Oxygenates) (EPA 8260B)			
Petroleum Hydrocarbons (TPH-D, TPH-O) (EPA 8015B[M])	One 500-mL amber glass	None, 4°C	7 days from VTSR for extraction
SVOCs (EPA 8270C)	One 1-L amber glass	$Na_2S_2O_3$, 4°C	7 days from VTSR for extraction
Title 22 metals (EPA 6010B/7471A)	One 250-ml HDPE	HNO_3, 4°C	180 days from VTSR
Organo Chlorine Pesticides and PCBs (EPA 8080)	One 1-L amber glass	None, 4°C	7 days from VTSR for extraction

Notes:
mL = milliliters
L = liters
EPA = Environmental Protection Agency
TPH-D = diesel range organics
HCl = hydrochloric acid
H_2SO_4 = sulfuric acid
VOA = volatile organic analysis/analyte
HDPE = high density polyethylene
VOCs = volatile organic compounds
VTSR = verified time of sample receipt
(1) = represents the minimum holding time for all parameters; metals (6010B) has a holding time of 180 days from VTSR, mercury (7471A) has a holding time of 28 days from VTSR, and SVOCs and PCBs have holding times of 14 days from VTSR for extraction and then 40 days after extraction for analysis

APPENDIX F

SOIL CLEANUP CRITERIA

APPENDIX F

Soil Cleanup Criteria

This appendix presents the methodology and soil screening levels (SSLs) used to select the recommended soil cleanup criteria for the property formerly known as the Gage Avenue Dump, eastern portion that currently lays underneath the 7.78 acre land parcel at 7316 Gage Avenue in the City of Commerce, CA (Site). The recommended soil cleanup criteria for the Site are a combination of published SSLs and background (ambient conditions) values for metals and PAHs.

The TPH soil cleanup criteria are from Los Angeles Regional Water Quality Control Board's (RWQCB) *Interim Site Assessment and Cleanup Guidebook* (RWQCB, 1996) for total petroleum hydrocarbons (TPH) above drinking water aquifers. The recommended TPH soil cleanup criteria for the Site are for TPH detected in soils that are at a distance ranging from 20 to 150 feet between the source contamination and groundwater. Groundwater at the site is located at least 48 feet below the base of the landfill.

The SSLs compiled for the recommended soil cleanup criteria for the remaining COPCs include protection of human health and groundwater, urban area ecotoxicity, ceiling values, and background concentrations (for certain naturally-occurring metals and PAHs that are ubiquitous in urban environs). Since the intent of the removal action is to restore the site for unrestricted use, SSLs for protection of human health are based on residential standards. Other factors considered in determining the proposed soil cleanup levels include urban area ecotoxicity and ceiling values. The SSLs are from the following hierarchy of sources:

- San Francisco Bay RWQCB December 2013 Environmental Screening Levels (ESLs) Table A-1. Shallow Soil Screening Levels (<3m bgs), Residential Land Use, (groundwater is current or potential drinking water resource) (RWQCB, 2013);
- Department of Toxic Substances Control (DTSC) July 14, 2014 *Human Health Risk Assessment Note 3, DTSC recommended methodology for use of U.S. EPA Regional Screening Levels (RSLs) in the human health risk assessment process at hazardous waste sites and permitted facilities*, Office of Human and Ecological Risk (HERO) (DTSC, 2014); and
- United States Environmental Protection Agency (USEPA) January 2015 Regional Screening Levels (RSLs) (USEPA, 2015).

In addition to potential direct human or ecological impacts, consideration was also given to protection of groundwater. The RWQCB and USEPA both have published SSLs for protection of groundwater. USEPA has established two types of screening levels that are based on groundwater protection (i.e., risk-based and maximum contaminant level [MCL]-based). As discussed above, preference was given to the RWQCB ESLs for protection of groundwater. In the event that a SSL for protection of groundwater was not established, USEPA risk-based SSLs were selected. If a risk-based USEPA SSL was not established, the MCL-based USEPA SSL was selected. Since the USEPA RSLs for the protection of groundwater were developed using a

dilution attenuation factor of 1, a dilution factor of 10 was applied to all USEPA RSLs for the protection of groundwater SSLs to account for the minimum distance of 48 feet between the base of the landfill and groundwater. The SSLs evaluated for the recommended soil cleanup criteria are provided in Tables F-1 and F-2.

As discussed above, background values for metals and PAHs were also evaluated for the recommended soil cleanup criteria. The background values for arsenic and PAHs were obtained from the following sources:

- *Determination of a Southern California Regional Background Arsenic Concentration in Soil* (Chernoff, et.al., 2008); and
- *PAH background from Use of the Northern and Southern California Polynuclear Aromatic Hydrocarbon (PAH) Studies in the Manufactured Gas Plant Site Cleanup Process* (PAH Advisory, DTSC, 2009).

The PAH background values presented in the PAH Advisory were developed for a benzo(a)pyrene (BaP) equivalent and range from 0.24 mg/kg (95% upper confidence limit [UCL] of the mean) to 0.9 mg/kg (95% upper threshold limit [UTL]). The BaP equivalent is calculated using measured concentrations of the carcinogenic PAHs and multiplying the values by California Environmental Protection Agency (CalEPA) potency equivalency factors listed in the PAH Advisory (DTSC, 2009). The PAH background values evaluated for the proposed soil cleanup criteria are based on the PAH Advisory 95% UCL BaP equivalent background value 0.24 mg/kg. This value was divided by CalEPA's chemical specific potency equivalency factors listed in the PAH Advisory (DTSC, 2009). The PAH and arsenic background values are presented in Table F-1.

The background values for the metals that do not have a published value were developed using background data sets published on DTSC's Envirostor for school sites that are located near the Site. The following schools site background data sets were used (Table F-3):

- Laguna Nueva School Site, Gage and Garfield Avenues, City of Commerce, California (CTL, 2002);
- Griffiths Middle School, 9633 Tweedy Lane, Downey, California (Levine-Fricke, 2005); and
- Proposed South Region Elementary School #3, Bell/Cudahy, California (URS, 2006). The background samples collected for this school were collected from two South Gate city parks located near Los Angeles Unified School District's South Gate Elementary School #7.

The background data set for these three schools provided a background data set for the Site with twenty (20) background samples. USEPA's ProUCL software (Version 5.0.00; USEPA, 2013) was used to develop UCLs based on the distribution of the data for each metal. This software considers non-detect values in the development of the UCLs. The 95% UCL of the arithmetic mean concentration was selected as the background concentration for each metal (Table F-1). Table F-4 presents the ProUCL output for the metals background dataset.

For the COPCs selected for evaluation as a component of this project, the proposed soil cleanup criteria represent the lowest SSL that is protective of human health, groundwater, urban area ecotoxicity, and ceiling values. For naturally occurring elements (e.g., metals) and PAHs that are ubiquitous in urban environments, representative background concentrations for these constituents were used when lowest of the SSL values was below the representative background concentration. Table F-1 presents the recommend soil cleanup criteria for the Site.

References:

Chernoff, G., W. Bosan and D. Oudiz (Chernoff, et.al.), 2008. *Determination of a Southern California Regional Background Arsenic Concentration in Soil.* March.

CTL Environmental Services (CTL), 2002. Revised Draft PEA Report, Montebello Unified School District, Laguna Nueva School Site, Gage and Garfield Avenues, City of Commerce, California. January 31.

Department of Toxic Substances Control (DTSC), 2009. *PAH background from Use of the Northern and Southern California Polynuclear Aromatic Hydrocarbon (PAH) Studies in the Manufactured Gas Plant Site Cleanup Process*. July 1.

DTSC, 2014. *Human Health Risk Assessment Note 3, DTSC recommended methodology for use of U.S. EPA Regional Screening Levels (RSLs) in the human health risk assessment process at hazardous waste sites and permitted facilities*. Office of Human and Ecological Risk (HERO). July 14.

Levine Fricke (LFR), 2005. Preliminary Environmental Assessment, Griffiths Middle School, 9633 Tweedy Lane, Downey, California. Final. February 23.

Regional Water Quality Control Board (RWQCB), 1996. *Interim Site Assessment and Cleanup Guidebook*. Los Angeles Region. May.

RWQCB, 2013. Environmental Screening Levels. San Francisco Region. December.

United States Environmental Protection Agency (USEPA), 2013. ProUCL Software Version 5.0.00. Updated September 19.

USEPA, 2015. Regional Screening Levels. January.

URS Corporation (URS), 2006. Preliminary Environmental Assessment, Proposed South Region Elementary School #3, Bell/Cudahy, California. February 16, 2006. Revised May 24.

Table F-1
Soil Cleanup Criteria
Gage Avenue Disposal Site
7316 East Gage Avenue
Commerce, California

Chemicals of Potential Concern	Soil Screening Levels					Recommend Soil Cleanup Criteria [d]
	Background [a]	Human Health - Residential [b]	Protection of Groundwater [c]	Urban Area Ecotoxicity [b]	Ceiling Value [b]	
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Metals						
Arsenic	12	0.39	0.015	20	1,000	12
Barium	116	15,000	1,600	750	1,000	750
Cadmium	0.40	78	6.9	12	1,000	6.9
Chromium	18	120,000	400,000,000	750	1,000	750
Lead	30	80	140	200	1,000	80
Mercury	0.19	6.7	0.33	10	500	0.33
Selenium	1.9	390	5.2	10	1,000	5.2
Silver	0.11	390	8.0	20	1,000	8.0
Pesticides						
4,4'-DDD	--	2.4	750	--	500	2.4
4,4'-DDE	--	1.7	1,100	4.0	500	1.7
4,4'-DDT	--	1.7	4.3	4.0	500	1.7
Dieldrin	--	0.034	0.0023	4.0	500	0.0023
Endrin	--	23	0.00065	0.06	500	0.00065
Polychlorinated biphenyl (PCBs)						
Total PCBs	--	0.22	6.3	--	500	0.22
Polycyclic Aromatic Hydrocarbons (PAH)						
Benzo(a)anthracene	2.4	0.38	12	40	500	2.4
Chrysene	24	3.8	23	40	500	24
Volatile Organic Compounds (VOCs)						
Benzene	--	0.74	0.044	25	500	0.044
Ethylbenzene	--	4.8	3.3	--	400	3.3
Naphthalene	--	3.1	1.2	40	500	1.2
Toluene	--	1,000	2.9	--	500	2.9
1,2,4-Trimethylbenzene	--	58	0.21	--	--	0.21
Xylenes	--	600	2.3	--	420	2.3

Abbreviations:
-- = Not available/applicable
mg/kg = Milligrams per kilogram

Footnotes:
[a] Background levels from the following sources:
Metals: G. Chernoff, W. Bosan and D. Oudiz March 2008 Determination of a Southern California Regional Background Arsenic Concentration in Soil. All other metals are the 95% upper confidence limit (UCL) of background soil samples collected for nearby schools, which are presented in Appendix F-3.
PAHs: PAH background from Use of the Northern and Southern California Polynuclear Aromatic Hydrocarbon (PAH) Studies in the Manufactured Gas Plant Site Cleanup Process. The 95% UCL of the mean of 0.24 mg/kg was selected. This value was divided by the chemical specific potency equivalent factor (benzo(a)anthracene 0.1 and chrysene 0.01).

[b] The human health residential soil screening levels, urban area ecotoxicity and ceiling values are from the San Francisco Bay Regional Water Quality Control Board (RWQCB) December 2013 Environmental Screening Levels (ESLs) Table A-1. Shallow Soil Screening Levels (>3m bgs), Residential Land Use, (groundwater is current or potential drinking water resource).

[c] The protection of groundwater soil screening levels are from the RWQCB ESLs published December 2013. If the RWQCB did not have a protection of ground-water value then the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) published January 2015 were selected. The Risk-based RSLs were selected first. If no Risk-based RSL is available, the maximum contaminant level (MCL)-based RSL was selected. A dilution attenuation factor of 10 was applied to all USEPA protection of groundwater, since the groundwater at the site is at least 48 feet below the base of the landfill.

[d] The recommended soil screening level is the lowest screening level between residential, protection of groundwater, and ceiling values where no background levels are available. Background was selected as the recommended soil screening level if background value is higher than the lowest screening level.

Table F-2
Soil Screening Levels Protective of Human Health and Groundwater, Urban Area Ecotoxicity, and Soil Ceiling Values
Gage Avenue Disposal Site
7316 East Gage Avenue
Commerce, California

Chemicals of Potential Concern	Human Health				Protection of Groundwater			Urban Area Ecotoxicity		Ceiling Values	
	Residential		Commercial/ Industrial								
	ESLs [a]	RSLs [b]	ESLs [c]	RSLs [b]	ESLs [d]	Risk-Based [e]	MCL-Based [e]	Residential [a]	Commercial/ Industrial [c]	Residential [a]	Commercial/ Industrial [c]
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Metals											
Arsenic	0.39	0.062	1.6	0.25	--	0.015	2.9	20	40	1,000	2,500
Barium	15,000	15,000	190,000	220,000	--	1,600	820	750	1,500	1,000	2,500
Cadmium	78	4.6	1,000	6.4	--	6.9	3.8	12	12	1,000	2,500
Chromium	120,000	120,000	1,500,000	1,800,000	--	400,000,000	1,800,000	750	750	1,000	2,500
Lead	80	80	320	320	--	--	140	200	--	1,000	2,500
Mercury	6.7	9.4	88	40	--	0.33	1.0	10	10	500	1,000
Selenium	390	390	5,100	5,800	--	5.2	2.6	10	10	1,000	2,500
Silver	390	390	5,100	5,800	--	8.0	--	20	40	1,000	2,500
Pesticides											
4,4'-DDD	2.4	2.2	10	9.6	750	0.072	--	--	--	500	1,000
4,4'-DDE	1.7	1.6	7.0	6.8	1,100	0.54	--	4.0	4.0	500	1,000
4,4'-DDT	1.7	1.9	7.0	8.6	4.3	0.77	--	4.0	4.0	500	1,000
Dieldrin	0.034	0.033	0.13	0.14	0.0023	0.00069	--	4.0	4.0	500	1,000
Endrin	23	18	230	250	0.00065	0.91	0.81	0.06	0.06	500	1,000
Polychlorinated biphenyl (PCBs)											
Total PCBs	0.22	0.15	0.74	0.66	6.3	0.00079	--	--	--	500	1,000
Polycyclic Aromatic Hydrocarbons (PAH)											
Benzo(a)anthracene	0.38	0.15	1.3	2.9	12	0.12	--	40	40	500	1,000
Chrysene	3.8	3.8	13	13	23	12	--	40	40	500	1,000
Volatile Organic Compounds (VOCs)											
Benzene	0.74	1.2	3.7	5.1	0.044	0.0023	0.026	25	25	500	870
Ethylbenzene	4.8	5.8	24	25	3.3	0.017	7.8	--	--	400	400
Naphthalene	3.1	3.8	15	17	1.2	0.0054	--	40	40	500	1,000
Toluene	1,000	4,900	4,900	47,000	2.9	7.6	6.9	--	--	500	650
1,2,4-Trimethylbenzene	--	58	--	240	--	0.21	--	--	--	--	--
Xylenes	600	580	2,600	2,500	2.3	1.9	98	--	--	420	420

Abbreviations:
-- = Not available/applicable
mg/kg = Milligrams per kilogram
4,4'-DDD = Dichlorodiphenyldichloroethane
4,4'-DDE = Dichlorodiphenyldichloroethene
4,4'-DDT = Dichlorodiphenyltrichloroethane

Footnotes:

[a] The human health residential soil screening levels and ceiling values are from the San Francisco Bay Regional Water Quality Control Board (RWQCB) December 2013 Environmental Screening Levels (ESLs) Table A-1. Shallow Soil Screening Levels (≤3m bgs), Residential Land Use, (groundwater is current or potential drinking water resource).

[b] The human health residential soil screening levels are from Department of Toxic Substances Control (DTSC) Human Health Risk Assessment Note 3, DTSC recommended methodology for use of U.S. EPA Regional Screening Levels (RSLs) in the human health risk assessment process at hazardous waste sites and permitted facilities, Office of Human and Ecological Risk (HERO) published July 14, 2014 and United States Environmental Protection Agency (USEPA) RSLs published January 2015.

[c] The human health residential soil screening levels and ceiling values are from the San Francisco Bay RWQCB December 2013 ESLs Table A-2. Shallow Soil Screening Levels (≤3m bgs), Commercial/Industrial Land Use, (groundwater is current or potential drinking water resource).

[d] The RWQCB protection of groundwater soil screening levels are from RWQCB ESLs published December 2013.

[e] The protection of groundwater soil screening levels are from USEPA RSLs published January 2015. A dilution attenuation factor of 10 was applied to all USEPA protection of groundwater, since the groundwater at the site is at least 48 feet below the base of the landfill.

Table F-3
Preliminary Background Metal Concentrations
Gage Avenue Disposal Site
7316 East Gage Avenue
Commerce, California

Sample Location	Sample Depth (ft bgs)	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
Laguna Nueva School Site, Gage and Garfield Avenues, City of Commerce, California (CTL, 2002)																			
BGHS-B1	1	6/27/2001	<0.75	2.73	87.2	<0.25	<0.5	18.4	6.61	22.2	53.4	<0.0835	<0.25	9.43	0.884	<0.25	<0.75	23.3	95.3
BGHS-B2	1	6/27/2001	<0.75	3.08	78.8	<0.25	<0.5	13.7	6.34	21	38.5	<0.0835	<0.25	9.42	<0.75	<0.25	<0.75	22.7	114
BGHS-B3	1	6/27/2001	<0.75	1.43	76.1	<0.25	<0.5	13.4	6.3	12.8	10.2	<0.0835	0.272	7.59	<0.75	<0.25	<0.75	21.8	44.9
BGHS-B4	1	6/27/2001	<0.75	4.08	103	<0.25	<0.5	18.1	8.38	24.7	22.1	<0.0835	<0.25	12.1	1.56	<0.25	<0.75	30.1	77.4
Griffiths Middle School, 9633 Tweedy Lane, Downey, California (LFR, 2005)																			
BG-1-4 (EMS)	NA	1/29/2004	<10	5.2	150	<1	<1	22	12	30	5.3	<0.1	<5	17	2	<1	<1	46	59
BG-2-4 (EMS)	NA	1/29/2004	<10	4.9	140	<1	<1	23	12	29	8.4	<0.1	<5	18	1.9	<1	<1	47	66
BG-3-4 (EMS)	NA	1/29/2004	<10	4.6	110	<1	<1	19	10	23	4.4	<0.1	<5	14	1.8	<1	<1	40	52
BG-4-4 (EMS)	NA	1/29/2004	<10	4.2	110	<1	<1	19	10	22	4.3	0.8	<5	14	1.6	<1	<1	42	48
BG-1-5 (WHS)	NA	7/22/2003	<10	4.3	100	<1	<1	20	10	26	3.8	<0.1	<5	14	1.6	<1	<1	37	51
BG-2-5 (WHS)	NA	7/22/2003	<10	2.9	80	<1	<1	17	8.9	20	3.6	<0.1	<5	14	1.6	<1	<1	31	45
BG-3-5 (WHS)	NA	7/22/2003	<10	3.8	100	<1	<1	19	11	26	3.8	<0.1	<5	14	2	<1	<1	39	54
BG-4-5 (WHS)	NA	7/22/2003	<10	4.7	110	<1	<1	19	10	24	3	0.17	<5	15	2.6	<1	<1	39	51
Proposed South Region Elementary School #3, Bell/Cudahy, California (URS, 2006) [a]																			
B-SS-18	1	2/22/2001	1.85	7.83	102	0.233	0.336	13.5	8.17	17.7	14.9	0.0939	<0.25	10	2.18	<0.25	<0.75	29.1	63.6
	3	2/22/2001	1.92	2.68	106	0.238	0.354	15.6	8.96	16.6	4.92	0.306	0.31	11.5	2.3	<0.0387	<0.75	30.6	53.4
B-SS-19	1	2/22/2001	1.4	3.72	144	0.198	0.428	14.8	8.16	18.6	40.4	0.113	<0.25	12.1	1.57	<0.048	<0.75	28.5	104
	3	2/22/2001	1.46	3.01	144	0.341	0.507	17.4	10.3	23.7	4.26	0.0747	0.687	14.1	1.76	0.103	<0.75	36.4	55.3
B-SS-20	1	2/22/2001	1.85	2.78	111	0.228	0.428	14.1	8.04	19.1	23.7	0.0686	0.0341	10.4	2.34	<0.0923	<0.75	25.6	68
	3	2/22/2001	1.69	2.18	114	0.244	0.328	17.9	9.12	17	5.91	0.055	<0.25	12.5	1.99	<0.25	<0.75	32.6	52.5
B-SS-21	1	2/22/2001	<0.83	3.9	87.3	0.189	0.259	10.4	5.55	15	36.4	0.0861	0.132	9.5	1.9	0.122	<0.75	24.2	42.8
	3	2/22/2001	1.24	1.67	78.5	0.183	0.218	11.9	6.44	12.5	6.38	0.0466	<0.25	8.23	1.2	<0.25	<0.75	24	39.8
Statistical Summary																			
Number of Detections			7	20	20	8	8	20	20	20	20	10	5	20	18	2	0	20	20
Number Analyzed			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Minimum Detected Concentration			1.24	1.43	76.1	0.183	0.218	10.4	5.55	12.5	3	0.0466	0.0341	7.59	0.884	0.103	ND	21.8	39.8
Maximum Detected Concentration			1.92	7.83	150	0.341	0.507	23	12	30	53.4	0.8	0.687	18	2.6	0.122	ND	47	114
95% Upper Confidence Limit [b]			1.5	4.2	116	0.25	0.40	18	9.5	23	30	0.19	0.32	13	1.9	0.11	ND	36	70

Abbreviations:
< = Not detected above the reporting limit
EMS =East Middle School
ft bgs = Feet below ground surface
mg/kg = Milligrams per kilogram
NA = Not available
ND = Not detected
WHS = Warren High School

Footnotes:
[a] The background soil samples were collected from two South Gate city parks located near the Los Angeles Unified School District's South Gate Elementary School #7.
[b] The 95% upper confidence limit calculated using United States Environmental Protection Agency ProUCL Model version 5.0.

References:
CTL Environmental Services (CTL), 2002. Revised Draft PEA Report, Montebello Unified School District, Laguna Nueva School Site, Gage and Garfield Avenues, City of Commerce, California. January 31.
Levine Fricke (LFR), 2005. Preliminary Environmental Assessment, Griffiths Middle School, 9633 Tweedy Lane, Downey, California. Final. February 23.
URS Corporation (URS), 2006. Preliminary Environmental Assessment, Proposed South Region Elementary School #3, Bell/Cudahy, California. February 16, 2006. Revised May 24.

Table F-4
ProUCL Output for Metals
Gage Avenue Disposal Site
7316 East Gage Avenue
Commerce, California

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	1/30/2015 10:27:26 AM
From File	Book2.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Antimony

General Statistics			
Total Number of Observations	20	Number of Distinct Observations	9
Number of Detects	7	Number of Non-Detects	13
Number of Distinct Detects	6	Number of Distinct Non-Detects	3
Minimum Detect	1.24	Minimum Non-Detect	0.75
Maximum Detect	1.92	Maximum Non-Detect	10
Variance Detects	0.0697	Percent Non-Detects	65%
Mean Detects	1.63	SD Detects	0.264
Median Detects	1.69	CV Detects	0.162
Skewness Detects	-0.386	Kurtosis Detects	-1.702
Mean of Logged Detects	0.477	SD of Logged Detects	0.168

Normal GOF Test on Detects Only		
Shapiro Wilk Test Statistic	0.904	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.226	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.335	Detected Data appear Normal at 5% Significance Level
Detected Data appear Normal at 5% Significance Level		

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	1.263	Standard Error of Mean	0.147
SD	0.472	95% KM (BCA) UCL	1.487
95% KM (t) UCL	1.518	95% KM (Percentile Bootstrap) UCL	1.501
95% KM (z) UCL	1.506	95% KM Bootstrap t UCL	1.482
90% KM Chebyshev UCL	1.705	95% KM Chebyshev UCL	1.905
97.5% KM Chebyshev UCL	2.183	99% KM Chebyshev UCL	2.729

Gamma GOF Tests on Detected Observations Only		
A-D Test Statistic	0.419	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.707	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.243	**Kolmogrov-Smirnoff GOF**
5% K-S Critical Value	0.311	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics on Detected Data Only			
k hat (MLE)	42.53	k star (bias corrected MLE)	24.4
Theta hat (MLE)	0.0383	Theta star (bias corrected MLE)	0.0668
nu hat (MLE)	595.4	nu star (bias corrected)	341.6
MLE Mean (bias corrected)	1.63	MLE Sd (bias corrected)	0.33

Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	7.154	nu hat (KM)	286.2
Approximate Chi Square Value (286.17, α)	248	Adjusted Chi Square Value (286.17, β)	245.2

Table F-4
ProUCL Output for Metals
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95% Gamma Approximate KM-UCL (use when n>=50)	1.458	95% Gamma Adjusted KM-UCL (use when n<50)	1.475
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.778	Mean	1.36
Maximum	1.92	Median	1.342
SD	0.369	CV	0.272
k hat (MLE)	13.84	k star (bias corrected MLE)	11.8
Theta hat (MLE)	0.0983	Theta star (bias corrected MLE)	0.115
nu hat (MLE)	553.7	nu star (bias corrected)	472
MLE Mean (bias corrected)	1.36	MLE Sd (bias corrected)	0.396
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (471.98, α)	422.6	Adjusted Chi Square Value (471.98, β)	418.9
95% Gamma Approximate UCL (use when n>=50)	1.519	95% Gamma Adjusted UCL (use when n<50)	1.533
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.899	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.224	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.335	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	1.381	Mean in Log Scale	0.293
SD in Original Scale	0.344	SD in Log Scale	0.25
95% t UCL (assumes normality of ROS data)	1.513	95% Percentile Bootstrap UCL	1.502
95% BCA Bootstrap UCL	1.502	95% Bootstrap t UCL	1.522
95% H-UCL (Log ROS)	1.535		
UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	0.158	95% H-UCL (KM -Log)	1.508
KM SD (logged)	0.395	95% Critical H Value (KM-Log)	1.925
KM Standard Error of Mean (logged)	0.123		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	2.666	Mean in Log Scale	0.571
SD in Original Scale	2.021	SD in Log Scale	1.041
95% t UCL (Assumes normality)	3.448	95% H-Stat UCL	5.79
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	1.518	95% KM (Percentile Bootstrap) UCL	1.501
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

Table F-4
ProUCL Output for Metals
Gage Avenue Disposal Site
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Commerce, California

Arsenic

General Statistics

Total Number of Observations	20	Number of Distinct Observations	20
		Number of Missing Observations	0
Minimum	1.43	Mean	3.685
Maximum	7.83	Median	3.76
SD	1.438	Std. Error of Mean	0.321
Coefficient of Variation	0.39	Skewness	1.025

Normal GOF Test

Shapiro Wilk Test Statistic	0.93	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.113	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	4.24	95% Adjusted-CLT UCL (Chen-1995)	4.292
		95% Modified-t UCL (Johnson-1978)	4.253

Gamma GOF Test

A-D Test Statistic	0.27	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.744	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.11	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.194	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	7.06	k star (bias corrected MLE)	6.035
Theta hat (MLE)	0.522	Theta star (bias corrected MLE)	0.611
nu hat (MLE)	282.4	nu star (bias corrected)	241.4
MLE Mean (bias corrected)	3.685	MLE Sd (bias corrected)	1.5
		Approximate Chi Square Value (0.05)	206.4
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	203.9

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	4.309	95% Adjusted Gamma UCL (use when n<50)	4.363

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.967	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.131	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.358	Mean of logged Data	1.232
Maximum of Logged Data	2.058	SD of logged Data	0.399

Assuming Lognormal Distribution

Table F-4
ProUCL Output for Metals
Gage Avenue Disposal Site
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95% H-UCL	4.427	90% Chebyshev (MVUE) UCL	4.708
95% Chebyshev (MVUE) UCL	5.167	97.5% Chebyshev (MVUE) UCL	5.804
99% Chebyshev (MVUE) UCL	7.055		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	4.213	95% Jackknife UCL	4.24
95% Standard Bootstrap UCL	4.184	95% Bootstrap-t UCL	4.329
95% Hall's Bootstrap UCL	4.479	95% Percentile Bootstrap UCL	4.224
95% BCA Bootstrap UCL	4.272		
90% Chebyshev(Mean, Sd) UCL	4.649	95% Chebyshev(Mean, Sd) UCL	5.086
97.5% Chebyshev(Mean, Sd) UCL	5.692	99% Chebyshev(Mean, Sd) UCL	6.883
Suggested UCL to Use			
95% Student's-t UCL	4.24		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Barium			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	16
		Number of Missing Observations	0
Minimum	76.1	Mean	106.6
Maximum	150	Median	104.5
SD	22.91	Std. Error of Mean	5.124
Coefficient of Variation	0.215	Skewness	0.575
Normal GOF Test			
Shapiro Wilk Test Statistic	0.905	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.174	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	115.5	95% Adjusted-CLT UCL (Chen-1995)	115.7
		95% Modified-t UCL (Johnson-1978)	115.6
Gamma GOF Test			
A-D Test Statistic	0.594	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.741	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.145	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.193	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			

Table F-4
ProUCL Output for Metals
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k hat (MLE)	23.61	k star (bias corrected MLE)	20.1
Theta hat (MLE)	4.515	Theta star (bias corrected MLE)	5.303
nu hat (MLE)	944.4	nu star (bias corrected)	804.1
MLE Mean (bias corrected)	106.6	MLE Sd (bias corrected)	23.77
		Approximate Chi Square Value (0.05)	739.3
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	734.4
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	115.9	95% Adjusted Gamma UCL (use when n<50)	116.7
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.927	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.137	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	4.332	Mean of logged Data	4.648
Maximum of Logged Data	5.011	SD of logged Data	0.211
Assuming Lognormal Distribution			
95% H-UCL	116.4	90% Chebyshev (MVUE) UCL	121.7
95% Chebyshev (MVUE) UCL	128.6	97.5% Chebyshev (MVUE) UCL	138.2
99% Chebyshev (MVUE) UCL	156.9		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	115	95% Jackknife UCL	115.5
95% Standard Bootstrap UCL	114.6	95% Bootstrap-t UCL	115.9
95% Hall's Bootstrap UCL	116	95% Percentile Bootstrap UCL	115.3
95% BCA Bootstrap UCL	115.1		
90% Chebyshev(Mean, Sd) UCL	122	95% Chebyshev(Mean, Sd) UCL	128.9
97.5% Chebyshev(Mean, Sd) UCL	138.6	99% Chebyshev(Mean, Sd) UCL	157.6
Suggested UCL to Use			
95% Student's-t UCL	115.5		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Beryllium			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	10
Number of Detects	8	Number of Non-Detects	12
Number of Distinct Detects	8	Number of Distinct Non-Detects	2
Minimum Detect	0.183	Minimum Non-Detect	0.25
Maximum Detect	0.341	Maximum Non-Detect	1
Variance Detects	0.0025	Percent Non-Detects	60%

Table F-4
ProUCL Output for Metals
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Mean Detects	0.232	SD Detects	0.05
Median Detects	0.231	CV Detects	0.216
Skewness Detects	1.638	Kurtosis Detects	3.496
Mean of Logged Detects	-1.48	SD of Logged Detects	0.197
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.827	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.818	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.278	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.313	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	0.227	Standard Error of Mean	0.0137
SD	0.0412	95% KM (BCA) UCL	0.248
95% KM (t) UCL	0.25	95% KM (Percentile Bootstrap) UCL	0.249
95% KM (z) UCL	0.249	95% KM Bootstrap t UCL	0.257
90% KM Chebyshev UCL	0.268	95% KM Chebyshev UCL	0.286
97.5% KM Chebyshev UCL	0.312	99% KM Chebyshev UCL	0.363
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.501	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.716	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.243	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.294	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	27.93	k star (bias corrected MLE)	17.54
Theta hat (MLE)	0.0083	Theta star (bias corrected MLE)	0.0132
nu hat (MLE)	446.9	nu star (bias corrected)	280.6
MLE Mean (bias corrected)	0.232	MLE Sd (bias corrected)	0.0553
Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	30.3	nu hat (KM)	1212
Approximate Chi Square Value (N/A, α)	1132	Adjusted Chi Square Value (N/A, β)	1126
95% Gamma Approximate KM-UCL (use when n>=50)	0.243	95% Gamma Adjusted KM-UCL (use when n<50)	0.244
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.169	Mean	0.227
Maximum	0.341	Median	0.229
SD	0.0411	CV	0.181
k hat (MLE)	34.54	k star (bias corrected MLE)	29.39
Theta hat (MLE)	0.00657	Theta star (bias corrected MLE)	0.00772
nu hat (MLE)	1382	nu star (bias corrected)	1176
MLE Mean (bias corrected)	0.227	MLE Sd (bias corrected)	0.0419
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (N/A, α)	1097	Adjusted Chi Square Value (N/A, β)	1091
95% Gamma Approximate UCL (use when n>=50)	0.243	95% Gamma Adjusted UCL (use when n<50)	0.245

Table F-4
ProUCL Output for Metals
Gage Avenue Disposal Site
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Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.884	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.818	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.237	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.313	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.227	Mean in Log Scale	-1.497
SD in Original Scale	0.0398	SD in Log Scale	0.166
95% t UCL (assumes normality of ROS data)	0.242	95% Percentile Bootstrap UCL	0.241
95% BCA Bootstrap UCL	0.243	95% Bootstrap t UCL	0.246
95% H-UCL (Log ROS)	0.243		
UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-1.499	95% H-UCL (KM -Log)	0.242
KM SD (logged)	0.166	95% Critical H Value (KM-Log)	1.766
KM Standard Error of Mean (logged)	0.0568		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.318	Mean in Log Scale	-1.285
SD in Original Scale	0.161	SD in Log Scale	0.557
95% t UCL (Assumes normality)	0.38	95% H-Stat UCL	0.421
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.25	95% KM (Percentile Bootstrap) UCL	0.249
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Cadmium			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	9
Number of Detects	8	Number of Non-Detects	12
Number of Distinct Detects	7	Number of Distinct Non-Detects	2
Minimum Detect	0.218	Minimum Non-Detect	0.5
Maximum Detect	0.507	Maximum Non-Detect	1
Variance Detects	0.00897	Percent Non-Detects	60%
Mean Detects	0.357	SD Detects	0.0947
Median Detects	0.345	CV Detects	0.265
Skewness Detects	0.0859	Kurtosis Detects	-0.541
Mean of Logged Detects	-1.062	SD of Logged Detects	0.277
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.97	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.818	Detected Data appear Normal at 5% Significance Level	

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Lilliefors Test Statistic	0.147	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.313	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	0.35	Standard Error of Mean	0.0307
SD	0.0843	95% KM (BCA) UCL	0.401
95% KM (t) UCL	0.403	95% KM (Percentile Bootstrap) UCL	0.399
95% KM (z) UCL	0.401	95% KM Bootstrap t UCL	0.408
90% KM Chebyshev UCL	0.442	95% KM Chebyshev UCL	0.484
97.5% KM Chebyshev UCL	0.542	99% KM Chebyshev UCL	0.655
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.229	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.716	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.168	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.294	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	15.55	k star (bias corrected MLE)	9.802
Theta hat (MLE)	0.023	Theta star (bias corrected MLE)	0.0364
nu hat (MLE)	248.8	nu star (bias corrected)	156.8
MLE Mean (bias corrected)	0.357	MLE Sd (bias corrected)	0.114
Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	17.25	nu hat (KM)	690.1
Approximate Chi Square Value (690.15, α)	630.2	Adjusted Chi Square Value (690.15, β)	625.7
95% Gamma Approximate KM-UCL (use when n>=50)	0.383	95% Gamma Adjusted KM-UCL (use when n<50)	0.386
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.218	Mean	0.348
Maximum	0.507	Median	0.345
SD	0.0781	CV	0.225
k hat (MLE)	20.59	k star (bias corrected MLE)	17.54
Theta hat (MLE)	0.0169	Theta star (bias corrected MLE)	0.0198
nu hat (MLE)	823.7	nu star (bias corrected)	701.5
MLE Mean (bias corrected)	0.348	MLE Sd (bias corrected)	0.0831
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (701.47, α)	641	Adjusted Chi Square Value (701.47, β)	636.5
95% Gamma Approximate UCL (use when n>=50)	0.381	95% Gamma Adjusted UCL (use when n<50)	0.383
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.961	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.818	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.174	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.313	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			

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Mean in Original Scale	0.346	Mean in Log Scale	-1.086
SD in Original Scale	0.0796	SD in Log Scale	0.233
95% t UCL (assumes normality of ROS data)	0.377	95% Percentile Bootstrap UCL	0.375
95% BCA Bootstrap UCL	0.377	95% Bootstrap t UCL	0.378
95% H-UCL (Log ROS)	0.382		
UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-1.08	95% H-UCL (KM -Log)	0.389
KM SD (logged)	0.251	95% Critical H Value (KM-Log)	1.818
KM Standard Error of Mean (logged)	0.093		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.393	Mean in Log Scale	-0.979
SD in Original Scale	0.114	SD in Log Scale	0.317
95% t UCL (Assumes normality)	0.437	95% H-Stat UCL	0.452
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.403	95% KM (Percentile Bootstrap) UCL	0.399
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Chromium			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	17
		Number of Missing Observations	0
Minimum	10.4	Mean	16.86
Maximum	23	Median	17.65
SD	3.33	Std. Error of Mean	0.745
Coefficient of Variation	0.197	Skewness	-0.143
Normal GOF Test			
Shapiro Wilk Test Statistic	0.967	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.123	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	18.15	95% Adjusted-CLT UCL (Chen-1995)	18.06
		95% Modified-t UCL (Johnson-1978)	18.14
Gamma GOF Test			
A-D Test Statistic	0.437	**Anderson-Darling Gamma GOF Test**	

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5% A-D Critical Value	0.74	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.145	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.193	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	25.52	k star (bias corrected MLE)	21.73
Theta hat (MLE)	0.661	Theta star (bias corrected MLE)	0.776
nu hat (MLE)	1021	nu star (bias corrected)	869.1
MLE Mean (bias corrected)	16.86	MLE Sd (bias corrected)	3.617
		Approximate Chi Square Value (0.05)	801.7
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	796.6
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	18.28	95% Adjusted Gamma UCL (use when n<50)	18.4
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.951	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.154	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	2.342	Mean of logged Data	2.805
Maximum of Logged Data	3.135	SD of logged Data	0.208
Assuming Lognormal Distribution			
95% H-UCL	18.39	90% Chebyshev (MVUE) UCL	19.24
95% Chebyshev (MVUE) UCL	20.31	97.5% Chebyshev (MVUE) UCL	21.79
99% Chebyshev (MVUE) UCL	24.71		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	18.08	95% Jackknife UCL	18.15
95% Standard Bootstrap UCL	18.05	95% Bootstrap-t UCL	18.08
95% Hall's Bootstrap UCL	18.04	95% Percentile Bootstrap UCL	18.06
95% BCA Bootstrap UCL	17.91		
90% Chebyshev(Mean, Sd) UCL	19.09	95% Chebyshev(Mean, Sd) UCL	20.11
97.5% Chebyshev(Mean, Sd) UCL	21.51	99% Chebyshev(Mean, Sd) UCL	24.27
Suggested UCL to Use			
95% Student's-t UCL	18.15		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be			
reliable. Chen's and Johnson's methods provide adjustments for positvely skewed data sets.			

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Cobalt			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	16
		Number of Missing Observations	0
Minimum	5.55	Mean	8.814
Maximum	12	Median	8.93
SD	1.895	Std. Error of Mean	0.424
Coefficient of Variation	0.215	Skewness	-0.0495
Normal GOF Test			
Shapiro Wilk Test Statistic	0.953	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.134	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	9.546	95% Adjusted-CLT UCL (Chen-1995)	9.506
		95% Modified-t UCL (Johnson-1978)	9.546
Gamma GOF Test			
A-D Test Statistic	0.452	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.741	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.149	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.193	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	21.72	k star (bias corrected MLE)	18.5
Theta hat (MLE)	0.406	Theta star (bias corrected MLE)	0.476
nu hat (MLE)	868.9	nu star (bias corrected)	739.9
MLE Mean (bias corrected)	8.814	MLE Sd (bias corrected)	2.049
		Approximate Chi Square Value (0.05)	677.8
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	673.1
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	9.621	95% Adjusted Gamma UCL (use when n<50)	9.688
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.94	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.147	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	1.714	Mean of logged Data	2.153
Maximum of Logged Data	2.485	SD of logged Data	0.224
Assuming Lognormal Distribution			
95% H-UCL	9.689	90% Chebyshev (MVUE) UCL	10.16

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95% Chebyshev (MVUE) UCL	10.76	97.5% Chebyshev (MVUE) UCL	11.61
99% Chebyshev (MVUE) UCL	13.26		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	9.511	95% Jackknife UCL	9.546
95% Standard Bootstrap UCL	9.499	95% Bootstrap-t UCL	9.575
95% Hall's Bootstrap UCL	9.5	95% Percentile Bootstrap UCL	9.427
95% BCA Bootstrap UCL	9.487		
90% Chebyshev(Mean, Sd) UCL	10.08	95% Chebyshev(Mean, Sd) UCL	10.66
97.5% Chebyshev(Mean, Sd) UCL	11.46	99% Chebyshev(Mean, Sd) UCL	13.03
Suggested UCL to Use			
95% Student's-t UCL	9.546		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be			
reliable. Chen's and Johnson's methods provide adjustments for positvely skewed data sets.			
Copper			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	19
		Number of Missing Observations	0
Minimum	12.5	Mean	21.05
Maximum	30	Median	21.5
SD	4.939	Std. Error of Mean	1.104
Coefficient of Variation	0.235	Skewness	-0.0251
Normal GOF Test			
Shapiro Wilk Test Statistic	0.98	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.0767	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	22.95	95% Adjusted-CLT UCL (Chen-1995)	22.85
		95% Modified-t UCL (Johnson-1978)	22.95
Gamma GOF Test			
A-D Test Statistic	0.199	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.741	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.106	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.194	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			

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Gamma Statistics			
k hat (MLE)	18.05	k star (bias corrected MLE)	15.38
Theta hat (MLE)	1.166	Theta star (bias corrected MLE)	1.369
nu hat (MLE)	722	nu star (bias corrected)	615.1
MLE Mean (bias corrected)	21.05	MLE Sd (bias corrected)	5.367
		Approximate Chi Square Value (0.05)	558.5
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	554.3
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	23.18	95% Adjusted Gamma UCL (use when n<50)	23.35
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.962	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.115	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	2.526	Mean of logged Data	3.019
Maximum of Logged Data	3.401	SD of logged Data	0.248
Assuming Lognormal Distribution			
95% H-UCL	23.39	90% Chebyshev (MVUE) UCL	24.6
95% Chebyshev (MVUE) UCL	26.2	97.5% Chebyshev (MVUE) UCL	28.42
99% Chebyshev (MVUE) UCL	32.78		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	22.86	95% Jackknife UCL	22.95
95% Standard Bootstrap UCL	22.79	95% Bootstrap-t UCL	23
95% Hall's Bootstrap UCL	22.87	95% Percentile Bootstrap UCL	22.89
95% BCA Bootstrap UCL	22.78		
90% Chebyshev(Mean, Sd) UCL	24.36	95% Chebyshev(Mean, Sd) UCL	25.86
97.5% Chebyshev(Mean, Sd) UCL	27.94	99% Chebyshev(Mean, Sd) UCL	32.03
Suggested UCL to Use			
95% Student's-t UCL	22.95		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Note: For highly negatively-skewed data, confidence limits (e.g., Chen, Johnson, Lognormal, and Gamma) may not be			
reliable. Chen's and Johnson's methods provide adjustments for positvely skewed data sets.			
Lead			
General Statistics			

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Total Number of Observations	20	Number of Distinct Observations	19
		Number of Missing Observations	0
Minimum	3	Mean	14.88
Maximum	53.4	Median	6.145
SD	15.46	Std. Error of Mean	3.457
Coefficient of Variation	1.039	Skewness	1.345
Normal GOF Test			
Shapiro Wilk Test Statistic	0.756	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.269	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	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	20.86	95% Adjusted-CLT UCL (Chen-1995)	21.68
		95% Modified-t UCL (Johnson-1978)	21.03
Gamma GOF Test			
A-D Test Statistic	1.401	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.764	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.24	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.199	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.21	k star (bias corrected MLE)	1.062
Theta hat (MLE)	12.3	Theta star (bias corrected MLE)	14.02
nu hat (MLE)	48.4	nu star (bias corrected)	42.48
MLE Mean (bias corrected)	14.88	MLE Sd (bias corrected)	14.44
		Approximate Chi Square Value (0.05)	28.54
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	27.63
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	22.16	95% Adjusted Gamma UCL (use when n<50)	22.88
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.869	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.204	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	1.099	Mean of logged Data	2.233
Maximum of Logged Data	3.978	SD of logged Data	0.962
Assuming Lognormal Distribution			
95% H-UCL	26.17	90% Chebyshev (MVUE) UCL	24.65
95% Chebyshev (MVUE) UCL	29.31	97.5% Chebyshev (MVUE) UCL	35.79
99% Chebyshev (MVUE) UCL	48.51		
Nonparametric Distribution Free UCL Statistics			

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Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	20.57	95% Jackknife UCL	20.86
95% Standard Bootstrap UCL	20.53	95% Bootstrap-t UCL	23.35
95% Hall's Bootstrap UCL	20.83	95% Percentile Bootstrap UCL	20.53
95% BCA Bootstrap UCL	21.15		
90% Chebyshev(Mean, Sd) UCL	25.26	95% Chebyshev(Mean, Sd) UCL	29.95
97.5% Chebyshev(Mean, Sd) UCL	36.47	99% Chebyshev(Mean, Sd) UCL	49.28
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	29.95		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Mercury			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	12
Number of Detects	10	Number of Non-Detects	10
Number of Distinct Detects	10	Number of Distinct Non-Detects	2
Minimum Detect	0.0466	Minimum Non-Detect	0.0835
Maximum Detect	0.8	Maximum Non-Detect	0.1
Variance Detects	0.0531	Percent Non-Detects	50%
Mean Detects	0.181	SD Detects	0.23
Median Detects	0.09	CV Detects	1.271
Skewness Detects	2.606	Kurtosis Detects	7.091
Mean of Logged Detects	-2.142	SD of Logged Detects	0.87
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.614	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.842	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.32	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.28	Detected Data Not Normal at 5% Significance Level	
Detected Data Not Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	0.123	Standard Error of Mean	0.0392
SD	0.166	95% KM (BCA) UCL	0.194
95% KM (t) UCL	0.191	95% KM (Percentile Bootstrap) UCL	0.186
95% KM (z) UCL	0.187	95% KM Bootstrap t UCL	0.4
90% KM Chebyshev UCL	0.241	95% KM Chebyshev UCL	0.294
97.5% KM Chebyshev UCL	0.368	99% KM Chebyshev UCL	0.513
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.919	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.743	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.276	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.272	Detected Data Not Gamma Distributed at 5% Significance Level	
Detected Data Not Gamma Distributed at 5% Significance Level			

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Gamma Statistics on Detected Data Only			
k hat (MLE)	1.292	k star (bias corrected MLE)	0.971
Theta hat (MLE)	0.14	Theta star (bias corrected MLE)	0.187
nu hat (MLE)	25.83	nu star (bias corrected)	19.41
MLE Mean (bias corrected)	0.181	MLE Sd (bias corrected)	0.184
Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	0.552	nu hat (KM)	22.1
Approximate Chi Square Value (22.10, α)	12.41	Adjusted Chi Square Value (22.10, β)	11.84
95% Gamma Approximate KM-UCL (use when n>=50)	0.219	95% Gamma Adjusted KM-UCL (use when n<50)	0.23
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.111
Maximum	0.8	Median	0.0664
SD	0.177	CV	1.591
k hat (MLE)	0.806	k star (bias corrected MLE)	0.718
Theta hat (MLE)	0.138	Theta star (bias corrected MLE)	0.155
nu hat (MLE)	32.23	nu star (bias corrected)	28.73
MLE Mean (bias corrected)	0.111	MLE Sd (bias corrected)	0.131
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (28.73, α)	17.5	Adjusted Chi Square Value (28.73, β)	16.8
95% Gamma Approximate UCL (use when n>=50)	0.183	95% Gamma Adjusted UCL (use when n<50)	0.19
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.878	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.842	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.218	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.28	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.123	Mean in Log Scale	-2.48
SD in Original Scale	0.171	SD in Log Scale	0.759
95% t UCL (assumes normality of ROS data)	0.189	95% Percentile Bootstrap UCL	0.191
95% BCA Bootstrap UCL	0.235	95% Bootstrap t UCL	0.396
95% H-UCL (Log ROS)	0.167		
UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-2.452	95% H-UCL (KM -Log)	0.153
KM SD (logged)	0.678	95% Critical H Value (KM-Log)	2.211
KM Standard Error of Mean (logged)	0.17		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.114	Mean in Log Scale	-2.605
SD in Original Scale	0.173	SD in Log Scale	0.767
95% t UCL (Assumes normality)	0.181	95% H-Stat UCL	0.149
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			

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Detected Data appear Lognormal Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.191	95% KM (% Bootstrap) UCL	0.186
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Molybdenum			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	7
Number of Detects	5	Number of Non-Detects	15
Number of Distinct Detects	5	Number of Distinct Non-Detects	2
Minimum Detect	0.0341	Minimum Non-Detect	0.25
Maximum Detect	0.687	Maximum Non-Detect	5
Variance Detects	0.0622	Percent Non-Detects	75%
Mean Detects	0.287	SD Detects	0.249
Median Detects	0.272	CV Detects	0.869
Skewness Detects	1.185	Kurtosis Detects	1.783
Mean of Logged Detects	-1.65	SD of Logged Detects	1.13
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.914	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.263	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.396	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	0.168	Standard Error of Mean	0.0634
SD	0.18	95% KM (BCA) UCL	0.338
95% KM (t) UCL	0.278	95% KM (Percentile Bootstrap) UCL	0.32
95% KM (z) UCL	0.272	95% KM Bootstrap t UCL	0.311
90% KM Chebyshev UCL	0.358	95% KM Chebyshev UCL	0.444
97.5% KM Chebyshev UCL	0.564	99% KM Chebyshev UCL	0.798
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.209	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.688	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.189	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.362	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.386	k star (bias corrected MLE)	0.688
Theta hat (MLE)	0.207	Theta star (bias corrected MLE)	0.417
nu hat (MLE)	13.86	nu star (bias corrected)	6.878
MLE Mean (bias corrected)	0.287	MLE Sd (bias corrected)	0.346
Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	0.876	nu hat (KM)	35.04

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Approximate Chi Square Value (35.04, α)	22.49	Adjusted Chi Square Value (35.04, β)	21.7
95% Gamma Approximate KM-UCL (use when n>=50)	0.262	95% Gamma Adjusted KM-UCL (use when n<50)	0.271
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.158
Maximum	0.687	Median	0.111
SD	0.176	CV	1.114
k hat (MLE)	0.804	k star (bias corrected MLE)	0.717
Theta hat (MLE)	0.196	Theta star (bias corrected MLE)	0.22
nu hat (MLE)	32.17	nu star (bias corrected)	28.68
MLE Mean (bias corrected)	0.158	MLE Sd (bias corrected)	0.186
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (28.68, α)	17.46	Adjusted Chi Square Value (28.68, β)	16.77
95% Gamma Approximate UCL (use when n>=50)	0.259	95% Gamma Adjusted UCL (use when n<50)	0.27
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.95	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.762	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.221	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.396	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.154	Mean in Log Scale	-2.346
SD in Original Scale	0.166	SD in Log Scale	1.007
95% t UCL (assumes normality of ROS data)	0.218	95% Percentile Bootstrap UCL	0.218
95% BCA Bootstrap UCL	0.232	95% Bootstrap t UCL	0.259
95% H-UCL (Log ROS)	0.293		
UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	-2.264	95% H-UCL (KM -Log)	0.302
KM SD (logged)	0.98	95% Critical H Value (KM-Log)	2.606
KM Standard Error of Mean (logged)	0.475		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1.116	Mean in Log Scale	-0.774
SD in Original Scale	1.167	SD in Log Scale	1.517
95% t UCL (Assumes normality)	1.567	95% H-Stat UCL	4.853
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.278	95% KM (Percentile Bootstrap) UCL	0.32
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			

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However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Nickel			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	15
		Number of Missing Observations	0
Minimum	7.59	Mean	12.34
Maximum	18	Median	12.3
SD	2.831	Std. Error of Mean	0.633
Coefficient of Variation	0.229	Skewness	0.15
Normal GOF Test			
Shapiro Wilk Test Statistic	0.956	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.171	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	13.44	95% Adjusted-CLT UCL (Chen-1995)	13.41
		95% Modified-t UCL (Johnson-1978)	13.44
Gamma GOF Test			
A-D Test Statistic	0.451	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.741	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.19	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.193	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	19.47	k star (bias corrected MLE)	16.58
Theta hat (MLE)	0.634	Theta star (bias corrected MLE)	0.744
nu hat (MLE)	778.8	nu star (bias corrected)	663.3
MLE Mean (bias corrected)	12.34	MLE Sd (bias corrected)	3.031
		Approximate Chi Square Value (0.05)	604.6
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	600.2
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	13.54	95% Adjusted Gamma UCL (use when n<50)	13.64
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.954	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.19	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	2.027	Mean of logged Data	2.487
Maximum of Logged Data	2.89	SD of logged Data	0.236

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Assuming Lognormal Distribution			
95% H-UCL	13.64	90% Chebyshev (MVUE) UCL	14.33
95% Chebyshev (MVUE) UCL	15.22	97.5% Chebyshev (MVUE) UCL	16.46
99% Chebyshev (MVUE) UCL	18.9		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	13.38	95% Jackknife UCL	13.44
95% Standard Bootstrap UCL	13.36	95% Bootstrap-t UCL	13.45
95% Hall's Bootstrap UCL	13.42	95% Percentile Bootstrap UCL	13.4
95% BCA Bootstrap UCL	13.38		
90% Chebyshev(Mean, Sd) UCL	14.24	95% Chebyshev(Mean, Sd) UCL	15.1
97.5% Chebyshev(Mean, Sd) UCL	16.3	99% Chebyshev(Mean, Sd) UCL	18.64
Suggested UCL to Use			
95% Student's-t UCL	13.44		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Selenium			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	15
Number of Detects	18	Number of Non-Detects	2
Number of Distinct Detects	14	Number of Distinct Non-Detects	1
Minimum Detect	0.884	Minimum Non-Detect	0.75
Maximum Detect	2.6	Maximum Non-Detect	0.75
Variance Detects	0.17	Percent Non-Detects	10%
Mean Detects	1.821	SD Detects	0.412
Median Detects	1.85	CV Detects	0.226
Skewness Detects	-0.327	Kurtosis Detects	0.604
Mean of Logged Detects	0.572	SD of Logged Detects	0.253
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.972	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.152	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Detected Data appear Normal at 5% Significance Level	
Detected Data appear Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	1.714	Standard Error of Mean	0.114
SD	0.498	95% KM (BCA) UCL	1.904
95% KM (t) UCL	1.912	95% KM (Percentile Bootstrap) UCL	1.892
95% KM (z) UCL	1.903	95% KM Bootstrap t UCL	1.9
90% KM Chebyshev UCL	2.058	95% KM Chebyshev UCL	2.213
97.5% KM Chebyshev UCL	2.429	99% KM Chebyshev UCL	2.853
Gamma GOF Tests on Detected Observations Only			

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A-D Test Statistic	0.422	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.739	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.175	**Kolmogrov-Smirnoff GOF**	
5% K-S Critical Value	0.203	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	18.23	k star (bias corrected MLE)	15.23
Theta hat (MLE)	0.0999	Theta star (bias corrected MLE)	0.12
nu hat (MLE)	656.1	nu star (bias corrected)	548.1
MLE Mean (bias corrected)	1.821	MLE Sd (bias corrected)	0.467
Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	11.87	nu hat (KM)	474.8
Approximate Chi Square Value (474.81, α)	425.3	Adjusted Chi Square Value (474.81, β)	421.6
95% Gamma Approximate KM-UCL (use when n>=50)	1.914	95% Gamma Adjusted KM-UCL (use when n<50)	1.931
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detected data is small such as < 0.1			
For such situations, GROS method tends to yield inflated values of UCLs and BTVs			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.884	Mean	1.739
Maximum	2.6	Median	1.78
SD	0.466	CV	0.268
k hat (MLE)	12.96	k star (bias corrected MLE)	11.05
Theta hat (MLE)	0.134	Theta star (bias corrected MLE)	0.157
nu hat (MLE)	518.5	nu star (bias corrected)	442
MLE Mean (bias corrected)	1.739	MLE Sd (bias corrected)	0.523
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (442.04, α)	394.3	Adjusted Chi Square Value (442.04, β)	390.7
95% Gamma Approximate UCL (use when n>=50)	1.949	95% Gamma Adjusted UCL (use when n<50)	1.967
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.912	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.897	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.196	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.209	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	1.741	Mean in Log Scale	0.516
SD in Original Scale	0.462	SD in Log Scale	0.295
95% t UCL (assumes normality of ROS data)	1.92	95% Percentile Bootstrap UCL	1.903
95% BCA Bootstrap UCL	1.905	95% Bootstrap t UCL	1.913
95% H-UCL (Log ROS)	1.983		
UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed			
KM Mean (logged)	0.486	95% H-UCL (KM -Log)	2.007
KM SD (logged)	0.348	95% Critical H Value (KM-Log)	1.886
KM Standard Error of Mean (logged)	0.08		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	

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Mean in Original Scale	1.677	Mean in Log Scale	0.417
SD in Original Scale	0.592	SD in Log Scale	0.534
95% t UCL (Assumes normality)	1.905	95% H-Stat UCL	2.25
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	1.912	95% KM (Percentile Bootstrap) UCL	1.892
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Silver			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	7
Number of Detects	2	Number of Non-Detects	18
Number of Distinct Detects	2	Number of Distinct Non-Detects	5
Minimum Detect	0.103	Minimum Non-Detect	0.0387
Maximum Detect	0.122	Maximum Non-Detect	1
Variance Detects	1.8050E-4	Percent Non-Detects	90%
Mean Detects	0.113	SD Detects	0.0134
Median Detects	0.113	CV Detects	0.119
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	-2.188	SD of Logged Detects	0.12
Warning: Data set has only 2 Detected Values.			
This is not enough to compute meaningful or reliable statistics and estimates.			
Normal GOF Test on Detects Only			
Not Enough Data to Perform GOF Test			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
Mean	0.0682	Standard Error of Mean	0.0232
SD	0.0367	95% KM (BCA) UCL	N/A
95% KM (t) UCL	0.108	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	0.106	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	0.138	95% KM Chebyshev UCL	0.169
97.5% KM Chebyshev UCL	0.213	99% KM Chebyshev UCL	0.299
Gamma GOF Tests on Detected Observations Only			
Not Enough Data to Perform GOF Test			
Gamma Statistics on Detected Data Only			
k hat (MLE)	139.9	k star (bias corrected MLE)	N/A
Theta hat (MLE)	8.0414E-4	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	559.6	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

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Gamma Kaplan-Meier (KM) Statistics			
k hat (KM)	3.465	nu hat (KM)	138.6
		Adjusted Level of Significance (β)	0.038
Approximate Chi Square Value (138.59, α)	112.4	Adjusted Chi Square Value (138.59, β)	110.5
95% Gamma Approximate KM-UCL (use when n>=50)	0.0841	95% Gamma Adjusted KM-UCL (use when n<50)	0.0855
Lognormal GOF Test on Detected Observations Only			
Not Enough Data to Perform GOF Test			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.086	Mean in Log Scale	-2.486
SD in Original Scale	0.0227	SD in Log Scale	0.261
95% t UCL (assumes normality of ROS data)	0.0947	95% Percentile Bootstrap UCL	0.094
95% BCA Bootstrap UCL	0.0951	95% Bootstrap t UCL	0.095
95% H-UCL (Log ROS)	0.096		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	0.259	Mean in Log Scale	-1.761
SD in Original Scale	0.204	SD in Log Scale	1.041
95% t UCL (Assumes normality)	0.338	95% H-Stat UCL	0.562
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution at 5% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.108	95% KM (% Bootstrap) UCL	N/A
Warning: One or more Recommended UCL(s) not available!			
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Vanadium			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	19
		Number of Missing Observations	0
Minimum	21.8	Mean	32.5
Maximum	47	Median	30.8
SD	7.888	Std. Error of Mean	1.764
Coefficient of Variation	0.243	Skewness	0.348
Normal GOF Test			
Shapiro Wilk Test Statistic	0.939	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.125	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Normal at 5% Significance Level	
Data appear Normal at 5% Significance Level			
Assuming Normal Distribution			

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95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	35.54	95% Adjusted-CLT UCL (Chen-1995)	35.54
		95% Modified-t UCL (Johnson-1978)	35.57
Gamma GOF Test			
A-D Test Statistic	0.384	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.741	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.117	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.194	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	18.04	k star (bias corrected MLE)	15.36
Theta hat (MLE)	1.802	Theta star (bias corrected MLE)	2.115
nu hat (MLE)	721.4	nu star (bias corrected)	614.5
MLE Mean (bias corrected)	32.5	MLE Sd (bias corrected)	8.29
		Approximate Chi Square Value (0.05)	558
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	553.8
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	35.79	95% Adjusted Gamma UCL (use when n<50)	36.06
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.947	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.12	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	3.082	Mean of logged Data	3.453
Maximum of Logged Data	3.85	SD of logged Data	0.243
Assuming Lognormal Distribution			
95% H-UCL	36.01	90% Chebyshev (MVUE) UCL	37.84
95% Chebyshev (MVUE) UCL	40.26	97.5% Chebyshev (MVUE) UCL	43.62
99% Chebyshev (MVUE) UCL	50.23		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	35.4	95% Jackknife UCL	35.54
95% Standard Bootstrap UCL	35.34	95% Bootstrap-t UCL	35.8
95% Hall's Bootstrap UCL	35.6	95% Percentile Bootstrap UCL	35.32
95% BCA Bootstrap UCL	35.42		
90% Chebyshev(Mean, Sd) UCL	37.79	95% Chebyshev(Mean, Sd) UCL	40.18
97.5% Chebyshev(Mean, Sd) UCL	43.51	99% Chebyshev(Mean, Sd) UCL	50.04
Suggested UCL to Use			
95% Student's-t UCL	35.54		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)			

Table F-4
ProUCL Output for Metals
Gage Avenue Disposal Site
7316 East Gage Avenue
Commerce, California

and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.			
For additional insight the user may want to consult a statistician.			
Zinc			
General Statistics			
Total Number of Observations	20	Number of Distinct Observations	19
		Number of Missing Observations	0
Minimum	39.8	Mean	61.85
Maximum	114	Median	53.7
SD	20.69	Std. Error of Mean	4.626
Coefficient of Variation	0.334	Skewness	1.47
Normal GOF Test			
Shapiro Wilk Test Statistic	0.822	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.224	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.198	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	69.85	95% Adjusted-CLT UCL (Chen-1995)	71.08
		95% Modified-t UCL (Johnson-1978)	70.1
Gamma GOF Test			
A-D Test Statistic	0.99	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.742	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.207	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.194	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	11.4	k star (bias corrected MLE)	9.72
Theta hat (MLE)	5.427	Theta star (bias corrected MLE)	6.363
nu hat (MLE)	455.8	nu star (bias corrected)	388.8
MLE Mean (bias corrected)	61.85	MLE Sd (bias corrected)	19.84
		Approximate Chi Square Value (0.05)	344.1
Adjusted Level of Significance	0.038	Adjusted Chi Square Value	340.8
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	69.89	95% Adjusted Gamma UCL (use when n<50)	70.57
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.902	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.905	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.191	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.198	Data appear Lognormal at 5% Significance Level	
Data appear Approximate Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	3.684	Mean of logged Data	4.08
Maximum of Logged Data	4.736	SD of logged Data	0.294

Table F-4
ProUCL Output for Metals
Gage Avenue Disposal Site
7316 East Gage Avenue
Commerce, California

Assuming Lognormal Distribution			
95% H-UCL	69.95	90% Chebyshev (MVUE) UCL	73.93
95% Chebyshev (MVUE) UCL	79.51	97.5% Chebyshev (MVUE) UCL	87.24
99% Chebyshev (MVUE) UCL	102.4		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution at 5% Significance Level			
Nonparametric Distribution Free UCLs			
95% CLT UCL	69.46	95% Jackknife UCL	69.85
95% Standard Bootstrap UCL	69.18	95% Bootstrap-t UCL	72.61
95% Hall's Bootstrap UCL	71.29	95% Percentile Bootstrap UCL	69.53
95% BCA Bootstrap UCL	70.22		
90% Chebyshev(Mean, Sd) UCL	75.73	95% Chebyshev(Mean, Sd) UCL	82.01
97.5% Chebyshev(Mean, Sd) UCL	90.74	99% Chebyshev(Mean, Sd) UCL	107.9
Suggested UCL to Use			
95% Student's-t UCL	69.85	or 95% Modified-t UCL	70.1

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

APPENDIX G

HEALTH AND SAFETY PLAN

SITE HEALTH AND SAFETY PLAN

Gage Avenue Disposal Site – Eastern Portion

Prepared for:
Comstock Gage LLC, C/O Comstock Realty Partners
7316 East Gage Avenue
Commerce, California

Prepared by:
TRC Solutions, Inc.
707 Wilshire Boulevard
Suite 3250
Los Angeles CA 90017

TRC Project Number: 203004

March 2015

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Appendices

Appendix A Drilling, Borehole, Excavation Checklist
Appendix B Material Safety Data Sheets for Preservatives and Decontamination Products
Appendix C Glove Selection Guideline
Appendix D Heat & Cold Stress
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Appendix G Common Fire Extinguishing Agent Guide
Appendix H Job Safety Analyses (JSAs)
Appendix I Tailgate Meeting/Checklist
Appendix J WorkCare Program Information
Appendix K Observation Documentation Form
Appendix L Incident Reporting
Appendix M Acknowledgement

1. Client/Personnel Contact, Emergency Contacts and Utility Clearance Information

1.1 Client/Personnel Contact Information

Table 1 - Site Name/Location, Project Number, Client and Contractor Contact Information			
Site Name:	**Gage Avenue Disposal Site – Eastern Portion**	**TRC Project Number:**	**203004 TA06**
Site Address:	**7316 East Gage Avenue**		

Client Contact/Title	**Office Phone Number**	**Cellular Phone Number**
Adrian Comstock	(310) 722-0806	(310) 729-2929
Contractor Contact/Title	**Office Phone Number**	**Cellular Phone Number**
Brad Vernaci, Manager	(909) 949-0360	(951) 830-9121

Table 2 - TRC Personnel and Project Role		
Name / Project Role	**Office Phone Number**	**Cellular Phone Number**
TBD / TRC Field Lead		
Chris Phillips, CIH / TRC OHSO*	(213) 213-9405	(310) 701-6398
TBD / TRC Field Staff		
TBD / TRC Field Staff		
David Lennon / TRC Project Manager	(949)727-7458	(310) 251-6893
Jim Ferrara / Office Safety Coordinator (OSC)	(949) 727-7320	(949) 285-7421
David Sullivan / RMD Safety Manager	(978) 656-3565	(978) 758-2809
Mike Glenn / TRC Health & Safety Director	(949) 727-7347	(949) 697-7418

Notes:
*OHSO – On-Site Health & Safety Officer. The OHSO is 40-hour OSHA certified, is current on refresher training, and has OSHA 8-hour supervisor training. The OHSO can be Field Lead or a member of the Field Staff as suits the work at hand and/or the availability of qualified personnel.

1.2 Emergency Medical Assistance

Table 3 - Emergency Telephone Numbers		
Service	**Emergency Telephone Numbers**	**Direct Telephone Numbers**
Police: Los Angeles County Sheriff	**Emergency:** 911	**323-264-4151 Police Department**

Table 3 - Emergency Telephone Numbers		
Service	**Emergency Telephone Numbers**	**Direct Telephone Numbers**
	911	
Fire: Los Angeles County Fire Department		323-721-3886
Ambulance: ____Care Ambulance Service		323-720-1578
Poison Control: (use applicable local number)	800 222-1222	
CHEMTREC:		800-424-9300 (Customer No. CCN 671126)
WorkCare (Early Incident Intervention)	888 449-7787	

1.3 Medical Facility Identification and Directions

Hospitals or clinics identified for emergency medical care should be contacted, to verify that emergency care is provided at that location. Verify the exact location of the medical facility during this call.

Drive the emergency route as defined below before the fieldwork begins to verify that the planned route is feasible.

Nearest Hospital: Downey Regional Medical Center

Hospital Address: 11500 Brookshire Avenue

Hospital Telephone Number: 562-904-5111

Directions to Hospital (see attached Map):

Head northeast on Gage Ave.
Take the ramp to I-5 South
Turn right onto I-5 South
Take the Lakewood Blvd/CA-19 exit toward Rosemead Blvd
Keep right at the fork, follow signs to Brookshire Ave.
Turn left onto Brookshire Ave.
Downey Regional Medical Center will be on the left.

Map to Hospital:

1.4 Utility Clearance Information

Table 4 – Utility Clearance Information		
Clearance Organization, Number and Utilities Covered	**Clearance Numbers (or Other Documentation) and Date Obtained**	**Expiration Dates/Other Notes**
Specify Clearance Service – 811 ▪ Dig Alert ▪		
Local/Municipal/Other – None		
Local/Municipal/Other – None		
Local/Municipal/Other – None		
Notes: Use Drilling/Borehole/Excavation Checklist in **Appendix A** before conducting intrusive or overhead work with the potential to encounter utilities.		

2. Site Information

This Health and Safety Plan covers the activities associated with TRC's conduct of surface soil excavation, soil vapor probe installation, and soil sample collection.

The Site is the eastern 7.78 acre land parcel of what was known as the "Gage Avenue Dump" which operated between 1950 and 1954. During that period, the Site is reported to have accepted municipal solid wastes, construction debris and inert fill materials and was later redeveloped into an industrial property. Prior to 1950, aerial photographs show the Site was used for agricultural purposes. The Site is identified on the CalRecycle website, Solid Waste Information System (SWIS) database as Facility No. 19-AA-5543.

The Site was purchased by Comstock in December 2013, and retains the site address of 7316 East Gage Avenue. Several entities, including International Paper Company, have utilized the property for industrial purposes from the 1950s through the early 1990s. Subsequently, the property was cleared of its warehouse structures and envisioned by developers for numerous uses until recently acquired by Comstock.

3. Work Scope Summary

The proposed work will be performed by TRC (and any other subcontractor's name) and will include but may not be limited to the following activities:

Remove surface soil to approximately 2 to 3 feet in depth by 36 inches in width from five previously excavated trench sidewall locations for soil sample collection.
Install five (5) temporary soil vapor probes and collect one (1) soil vapor sample from each vapor probe, and
Hand auger/excavate beneath the rail road spur in five (5) different locations for soil sample collection.

4. Roles/Responsibilities

Per the TRC RMD HASP Template Development Memorandum, Roles and responsibilities descriptions are required in all cases where a specific safety-related plan or permit is required such as permit-required confined space entry and Lock Out/Tag Out. The OSC or Project Manager may also require role and responsibility at their discretion. Given the potential to encounter damaged electrical infrastructure and the emergency nature of the response actions tasked to TRC in this case, a description of roles and responsibilities is necessary and appropriate for this work is provided below. As noted below, per TRC policy all employees are empowered to stop work if they feel it is unsafe to continue. Safety issues must be brought to the attention of the Project Manager.

4.1 Stop Work Authority

All TRC employees and subcontractor employees have the authority and obligation to stop any project if they observe a condition that could put people or equipment at risk. TRC's Stop Work Authority policy is summarized below.

What is Stop Work Authority?: Stop Work Authority is the ability to stop work if there is a potential safety issue. Employees will not be reprimanded for issuing a stop work and all project employees will adhere to the stop work condition and no work will continue until the issues have been resolved. The Stop Work Process includes appropriate training, stopping the work, notifying Project Manager of the stop work condition, correcting the condition and resuming operation once the condition has been corrected.

Policy Understanding and Management Responsibility: Employees are required to read and understand the Stop Work Authority policy in order to recognize conditions that could warrant a stop work injunction. Project Managers will encourage employees to initiate stop work authority when necessary and notify other employees and the client of the stop work condition. The Project manager will conduct an investigation into the conditions that led to the stop work order and verify that the unsafe condition has been corrected before work can recommence. Work can only continue when it is safe to do so.

Stop Work Related Reporting: A written report will be prepared by the Project Manager that documents the reason for the stop work, the corrective measures taken and the lessons learned from the incident. These reports will be reviewed by the TRC Safety Department and Senior Management and also shared with the client. Once work has resumed after the stop work condition has been closed the

Project Manager or designee will conduct a follow-up inspection to verify that the safety concerns have been addressed and corrective measures implemented.

4.2 Project Manager

The TRC Project Manager is responsible for controlling the technical work in an environmentally safe manner, assuring that operational hazards are minimized and that appropriate precautionary actions are implemented this during project work. Specific responsibilities include but are not limited to:

- Implementing and confirming that all subcontractors to TRC are prequalified to conduct the work included in their Contract, including health and safety pre-qualifications.
- Verifying that all TRC personnel involved with this project have the required training and medical clearance for the work and environment they will be assigned.
- Verifying that all personnel involved with this project have read and understand this HASP and have signed the HASP.
- Assuring that all personnel involved with this project have attended a briefing or a tailgate safety meeting regarding the contents of the HASP and site-specific hazards prior to performing work.
- Determining that sufficient personal protective equipment (PPE), air monitoring equipment and other equipment, as required by this HASP, are available and that the personnel are training in the proper use of PPE as well as other administrative and/or engineered controls.
- Assuring that all subcontractor personnel submit documentation of employee participation in a medical, training and drug & alcohol programs (when applicable).
- Promoting and maintaining a high level of health and safety consciousness among the field personnel.

4.3 On-Site Health & Safety Officer

The On-Site Health & Site Safety Officer (OHSO) is responsible for ensuring the Health & Safety guidelines are followed, in addition to monitoring for airborne contaminants when necessary and evaluating new hazards and operation changes. The OHSO has the authority to correct all noncompliance situations immediately and to stop work in cases of immediate danger. Specific responsibilities include but are not limited to:

- Performing daily safety meetings prior to commencement of work, commencement of a new task and whenever new personnel arrive.
- Obtaining the air monitoring instrumentation required and conducting or directing the necessary air monitoring.
- Verifying that all PPE and other health and safety equipment are in proper working condition.
- Advising the Project Manager and field personnel on matters relating to health and safety.
- Recommending appropriate PPE and air monitoring instrumentation to protect personnel from site hazards and coordinating the upgrading and downgrading of PPE as specified in the HASP.
- Establishing and maintaining the work zones per the HASP.
- Conducting field observations to monitor the effectiveness of the HASP and to assure compliance with the HASP.
- Performing personal exposure monitoring where required and to determine the adequacy of protective measures and PPE specified by this HASP. Working with the Project Manager to ensure that sufficient PPE is available onsite.
- Conducting briefing meetings and apprising personnel of the contents of the HASP and site hazards.
- Supervising and monitoring the safety performance of all field personnel to ensure required safety and health procedures are followed and correct any deficiencies.
- Initiating emergency response procedures, as well as incident reporting and near miss reporting.
- Notifying the Project Manager and Office Safety Coordinator of all noncompliance and dangerous situations.
- Reporting all accidents/incidents/near misses to the Office Safety Coordinators and/or Project Manager.

4.4 Office Safety Coordinators and Line Managers

The OSCs and Line Managers are responsible for the following:

- Providing managerial and executive level support for all matters regarding project health and safety.
- Assisting the Project Manager in developing the HASP and identifying task-specific Job Safety Analyses (JSAs) to incorporate in the plan.
- Safety Observations.
- Near miss/incident investigations.
- Accident/incident investigations.

4.5 Field Lead

The TRC Field Lead is responsible for the field operations needed to complete the project. The Field Lead may also be the OHSO. Specific responsibilities include but are not limited to:

- Leading by example.
- Ensuring all equipment needed for the project is available and properly maintained.
- Ensuring field personnel have received the necessary training and Health & Safety briefings before work begins.
- Correcting any deficiencies regarding health, safety or operating procedures.
- Communicating newly identified hazards or noncompliance issues with the OHSO, OSC(s), and TRC Management
- Reporting any injuries and illnesses to the Project Manager, OSHO, and OSCs.

4.6 Field Personnel/Staff

All field personnel are responsible for following the health and safety procedures specified in this HASP and work practices specified in applicable operating procedures. Some specific responsibilities include but are not limited to:

- Maintaining an awareness of their training status and demonstrating that they have the required training and medical clearance for the work and environment they will be assigned.
- Reporting all accidents, incidents, injuries, illnesses, or near misses to the Field Lead.
- Complying with the requests of the OHSO and Field Lead.
- Immediately communicating newly identified hazards or noncompliance issues to the OHSO and Field Lead.

5. Hazard Assessment

This HASP assumes that an ongoing hazard assessment process with Project Management and TRC Office Safety Coordinators (OSCs) will take place regularly (via meetings/teleconferences), supplemented by ad hoc communication on project safety needs, to ensure the project work is conducted at a high level of technical excellence both safely and efficiently. Where the on-going hazard assessment indicates the presence of hazards, tasks, or other activities that are not adequately covered by the HASP and supporting documentation and/or staff training levels, supplemental planning will be conducted and documented in a revised or higher level HASP document and appropriately trained personnel assigned.

5.1 Chemical Hazards

Based on previous experience within urban areas and a review of other disposal sites in the area, the following contaminants is expected in soil and/or groundwater along the proposed pipeline route:

- Petroleum hydrocarbons (e.g., benzene, mineral oil dielectric fluid)
- Heavy Metals, i.e.: Arsenic
- Disposal site gases i.e.: Methane, Volatile Organic Compounds (VOCs)
- Pesticides

TRC also anticipates the presence of the following chemicals in laboratory bottles used as sample preservatives: hydrochloric acid. In addition, TRC anticipates the use of methyl alcohol (methanol) during decontamination procedures. Material Safety Data Sheets (MSDS) for preservatives and decontamination products are provided in **Appendix B**. Sample bottles containing hazardous preservatives will be handled with care. Sample bottles will be checked for leaks and lids tightened. Cut resistant and chemical resistant gloves and safety glasses will be worn at all times when handling sample bottles (see table below concerning edges and material handling).

Isobutylene will be used during a short time period at the beginning of each work day to calibrate the PID. 100 ppm isobutylene will be primarily contained in a tedlar bag. Any gas that is released to the air will quickly disperse and will not pose a threat to on-site workers. No further monitoring is required for isobutylene. A multi-gas meter will be used which will use a calibration gas containing methane, oxygen, carbon monoxide, and hydrogen sulfide.

5.2 Key Physical Hazards

Key physical hazards are outlined below. If a Job Safety Analysis (JSA; see Section 10 and supporting appendix) has been included, this is signified below in first column.

Table 5 - Key Physical Hazards Matrix

JSA	APPL.	KEY PHYSICAL HAZARDS	GENERAL CONTROL MEASURE
☐	☒	Edges/material handling	Cut resistant gloves are required to be worn at all times while performing all tasks. A glove selection guideline is presented in **Appendix C**.
☐	☒	Weather	Heat and cold stress are a potential concern for on-site workers. Please refer to **Appendix D** for the signs, symptoms and precautions for cold and heat stress, and required breaks. Work will also occur during a time of year when thunderstorms are possible/likely. If thunder or lightning is noted by onsite personnel, work will cease until the storm passes (thunder and/or lightning ceases and is not observed over at

Table 5 - Key Physical Hazards Matrix

JSA	APPL.	KEY PHYSICAL HAZARDS	GENERAL CONTROL MEASURE
			least a 15-minute period). Personnel will seek shelter in buildings or vehicles
☐	☒	Energized Sources (electrical equipment or hookups, lines, etc.)	Personnel engaged in electrical activities, and any facility equipment with moving parts must follow proper lock-out/tag-out procedures, and only properly trained employees will perform the work. Heed any caution signs or labels.
☐	☒	Slips, Trips, Falls	Be aware of uneven ground, and buried debris (metal, plastic, etc.), to avoid potential slip/trip/fall hazards, and use caution near open excavations. Maintain good housekeeping practices to eliminate physical hazards. Use proper lifting techniques to avoid injury and obtain help when lifting greater than 50 lbs. Be aware of uneven ground to avoid potential slip/trip/fall hazards and also of buried debris (metal, plastic, etc.). Sites with unprotected edges >6' require barricades and/or fall protection equipment. A fall protection plan will be required if there is leading edge work including excavations >6' deep.
☐	☒	Heavy Equipment	Use caution around construction equipment and emergency response vehicles. Ensure the operator of the construction/emergency equipment is aware of the location of onsite personnel at all times to avoid potential injury to onsite workers (e.g., maintain eye contact with the equipment operator). If full visibility is not possible during movement of equipment a spotter should be used to direct the movement of heavy equipment. A swing zone should be established with cones behind any excavators to prevent injury during movement of equipment. Exercise caution and wear protective equipment as noted herein (e.g., safety toe boots, hard hat, Class 3 reflective safety vest, ear plugs, etc.) around the heavy equipment to prevent crushing and pinching hazards.
☐	☒	Underground or Overhead Utilities	Existing underground utilities are present at the project site. Prior to conducting active excavation, the Site will be visually observed for potential overhead hazards (e.g., tree branches and wires), and drilling/excavation locations will be selected that are located at safe distances from the hazard. (The Dig Alert utility clearance ticket number(s) is (are): _____). Use caution when heavy equipment may come in contact with utilities. Maintain a minimum distance of 10 feet from overhead utilities at all times. Proceed cautiously and with due diligence to minimize the possibility of contacting underground or overhead utilities. Use TRC utility clearance checklist prior to starting any subsurface work.
☐	☒	Driving/Traffic Hazards	Driving to and from the Site each day is considered a physical hazard. Directions and travel time to the Site should be determined in advance (a.k.a. Journey Management Planning) and adequate time should be allocated to drive safely. The use of cellular phones is prohibited, and distracted driving should be avoided. Seatbelts must be worn at all times while the vehicle is moving. Use caution around traffic flow. Ensure proper traffic control (e.g., signs, traffic cones, jersey barriers, etc., or where jurisdictionally required, police details) are in place prior to and throughout the work day where work takes place in or near traffic. Work personnel must wear ANSI-rated class 3 reflective traffic vests at all times. A site-specific traffic management plan describing procedures to be employed, including barriers, signage, and police detail, will be used for tasks taking place in areas of vehicular traffic.

Notes:
APPL. – Abbreviation for "Applicable."
JSA – Job Safety Analysis

5.3 Other Common Physical Hazards Potentially Present

Other common physical hazards that might be encountered during the course of the work are outlined below. If a JSA (see Section 10 and supporting appendix) has been included, this is signified below in the first column.

Table 6 - Other Common Physical Hazards Matrix			
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	Aboveground Storage Tanks (AST)	Be aware of any above ground storage tanks and the type of material being stored in them. Be aware of the potential of spills, sources of ignition, fires, explosions, etc., while working near the tanks. Stay clear of tanks whenever possible, and be aware of any equipment operators near the tank(s).
☐	☐	Arcing, welding, open flame work	TRC personnel will clear the area when work of this kind is undertaken by the client/subcontractor unless properly trained and equipped with PPE.
☐	☐	Blasting/Explosives	TRC personnel shall not handle any explosive devices or materials. TRC personnel should understand the blasting procedures being used by the subcontractor, and all of the associated health and safety precautions. The subcontractor shall handle, store, and use the explosives in accordance with 29 CFR 1926.900, Subpart H and U.
☐	☐	Boat or Barge	A boat or barge should be used that is adequately stable for the type of activity conducted. The boat or barge should have all of the appropriate and current licensing and registrations required by the applicable regulatory agencies. All applicable laws and regulations will be followed when launching the boat or barge, and when navigating to and from the work site. Personal floatation devices should always be worn while navigating the boat or barge. The boat must be registered and equipped with the following approved United States Coast Guard (USCG) safety equipment: A Type I, II, or III personal flotation device (PFD) for every person aboard (should be worn while navigating) The following equipment is also <u>recommended</u>: ✧ A Type IV throwable PFD ✧ Audible distress signal device (air horn, whistle) ✧ Fire extinguisher (if engine-propelled) ✧ Auxiliary propulsion (spare paddles, trolling motor) ✧ Bow and stern lines ✧ Anchor and anchor line ✧ First aid kit ✧ Visual distress signal device(s) (flares, dyes) ✧ Additional PFDs Be familiar with local weather and tidal characteristics. Do not conduct sampling from a boat/barge when threatening weather is imminent, or poor visibility exists. Sampling from a boat is prohibited in water containing substances likely to cause injury upon short-term or prolonged contact. Sampling from a boat is prohibited when the temperature of the water is high or low enough to cause injury upon short-term or prolonged exposure without an exposure suit specified on a project specific basis for use under the anticipated conditions evaluated. Avoid sampling from a boat when

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
			unsafe water turbulence (waves) exists. Avoid standing in a boat. Always use the buddy system when sampling from a boat or barge; one person should be on shore with visual contact of the barge and should be able to summon emergency assistance if needed Be familiar with local weather and tidal characteristics. Work on a boat or barge will not be performed when threatening or severe weather is impending or present.
☐	☐	Business Traffic	Be aware of traffic patterns associated with local businesses near the work site. Allow traffic to enter and exit the businesses in such a manner to avoid creating traffic hazards, back-ups, delays, or potential accident situations. Review directions before all business travel.
☐	☒	Cement Dust	Stay clear of mixing operations and avoid contact with, or breathing of the dust.
☐	☐	Chain Saws/Power Saws	Stay clear of any chain saw/power saw operations. Subcontractor is responsible for the safe use of chain saws/power saws on site.
☐	☒	Cleaning Agents	Use caution of applying cleaning agent to equipment. Use gloves, safety glasses, splash shields, and protective clothing as needed.
☐	☒	Client Activities	Be aware of client activities at or adjacent to the site. Work activities should be coordinated with other site activities to avoid conflicts.
☐	☐	Compressed Air or Gas Cylinders	Compressed air or gas cylinders should be clearly marked, and they should be stored, transported, and secured in accordance with Compressed Gas Association (CGA) requirements (i.e., Publication P-1 - Safe Handling of Compressed Gases in Containers).
☐	☐	Compressed Air/Gas, Pressurized Liquids Hoses, Lines & Fittings	Compressed air or gas, or pressurized liquid lines or hoses should be inspected at least daily, or in the event a leak develops, or if a line or hose is run over or crimped.
☐	☐	Concrete/Masonry/ Foundations	No construction loads shall be placed on a concrete structure or portion of a concrete structure unless a person who is qualified in structural design has determined that the structure or portion of the structure is capable of supporting the loads. All protruding reinforcing steel, onto and into which employees could fall, shall be guarded to eliminate the hazard of impalement. No employee shall be permitted to work under concrete buckets while buckets are being elevated or lowered into position. To the extent practical, elevated concrete buckets shall be routed so that no employee, or the fewest number of employees, are exposed to the hazards associated with falling concrete buckets. A limited access zone shall be established whenever a masonry wall is being constructed. All masonry walls over eight feet in height shall be adequately braced to prevent overturning and to prevent collapse unless the wall is adequately supported so that it will not overturn or collapse. The bracing shall remain in place until permanent supporting elements of the structure are in place.
☐	☐	Confined Spaces (tanks, vaults, vessels, trenches, manholes, some excavations, etc.)	The scope of this project does not entail entry into confined spaces. Confined spaces will not be entered unless a confined space entry permit or other planning has been completed, signed, and approved, and all participating personnel are trained in confined space entry procedures, including safety, and rescue procedures. Real and potential hazards of confined space are not addressed by this hazard assessment, and health and safety plan.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☒	Cutting Tools	Stay clear of contractors' cutting tools, especially saws and torches. Be aware that cutting operations could create other hazards, such as falling objects, or shifting materials, etc. All cutting tools must be inspected and saw blade type reviewed prior to starting work. Appropriate hand protection and safety glasses should be worn while using cutting tools. Spark-proof tools should be used when working in areas of potential explosive or flammable conditions.
☐	☐	Demolition Activities/Debris	Stay clear of walls, ceilings, roofs, etc., as they are being demolished. Demolition material should only be handled by appropriate equipment because of sharp points, edges, etc. Demolition material may also pose a trip hazard, fall, or puncture hazard, so avoid walking or climbing on debris piles, etc.
☐	☐	Dim Lighting	If electrical power has been disrupted causing dim/low lighting conditions and or work is required to be performed through the evening hours. Use a suitable flashlight and/or portable lighting in low lighting areas.
☐	☐	Drilling Operations	Drilling operations involve boring, augering or directionally pushing into soil or other surfaces. Various types of mechanical equipment may be used to provide the force of drilling. Drilling may be on a small scale, such as during the installation of monitoring wells, or a large scale project such as oil or gas well drilling**.** Drilling operations present physical and mechanical hazards as well. The equipment used in drilling can cause injury if not operated properly. Combustion engines are often used as a power source, and these also present hazards in terms of flammability, and as sources of vapors. Typical injuries that could result include eye injuries, burns, scrapes, and cuts from mechanical equipment. Chemical hazards could also be present in the water or soil resulting from drill cuttings.
☐	☐	Downed electrical wires	Downed wires can energize other objects, including fences, water pipes, bushes and trees, buildings, telephone/CATV/fiber optic cables and other electric utilities. Even manhole castings and reinforcement bars (re/bar) in pavement can become energized by downed wires. During storms, wind-blown objects such as canopies, aluminum roofs, siding, sheds, etc., can also be energized by downed wires. See **Appendix E** for an OSHA Fact Sheet on working safely around downed electrical wires.
☐	☐	Drums	If drums are used on-site, they should be clearly labeled with the name of the contents. Drums should only be handled with the appropriate equipment. Drums discovered during excavations, etc., shall not be opened or moved until appropriate identification can be performed. ***At a minimum, Level B protection is required for sampling any unlabeled drums discovered during remediation procedures. This HASP does not contemplate and upgrade to Level B. Coordinate in advance with your OSC, RMD Safety Manager, or TRC Health and Safety direct before conducting Level B work of any kind.***
☐	☒	Dust/Particulates	For general dust, work should be performed up-wind if possible. If conditions warrant it, monitoring should be done with PM-10 monitor as described herein. For hazardous dusts, a detailed air monitoring plan and a respiratory protection plan should be developed in consultation with a Certified Industrial Hygienist (CIH) for the site activities before proceeding.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	Ground Fault Circuit Interrupters (GFCI) and Electrical Cords	GFCIs will be used on all 120 volt, single phase, 15 and 20-ampere receptacle outlets when electrical equipment is used on-site. Electrical cords will be inspected for cracks, tears, or general wear to the outer protective casing. If the wiring of the cord is exposed, the cord will be repaired, if possible, or discarded. All extension cords will contain a grounding prong. If the grounding prong is missing, or if the cord was designed to contain only two prongs, the cord will not be allowed for use. These cords are dangerous and cannot be grounded through the use of a GFCI.
☐	☐	Elevated Work	For any construction work activities elevated 6 feet or more, or other non-construction activities elevated 4 feet or more, fall protection must be provided. Caution should be taken on catwalks and ladders because of potential slippery conditions, or the potential for footwear to catch on the surfaces.
☐	☒	Equipment Exhaust	Equipment exhaust should be ventilated away from the work area while drilling inside structures. Industrial fans can be used to move exhaust out of the area.
☐	☒	Ergonomic Issues	Ergonomic hazards will be addressed on a site-specific basis once mobilization to the field has occurred.
☐	☐	Evening Work	If work is performed during the evening hours, work shall be limited by the availability and the quality of artificial lighting. Care should also be taken to avoid slip, trip, and fall hazards that are not as easy to identify during low light conditions.
☐	☒	Excavations	Stay clear of excavation walls. TRC personnel will not enter an excavation, in accordance with 1926 Sub Part P. Subcontractor must provide a competent person on site, if one is required by the planned activities. Side cuts should conform to 1926 Subpart P requirements, or shoring should be used. All open excavations should be secured using traffic cones, barrier tape, or barricade signs stating "Do Not Enter Excavations", especially if left open overnight. See **Appendix F** for an Excavation Hazard Recognition Guide for Trenching and Shoring and Site Assessment Questions to facilitate your understanding of potential hazards and other guidance.
☐	☐	Explosives	Be aware of potential explosive materials and how to identify them. No smoking is allowed on-site or near where potential explosive materials may be present.
☐	☐	Facility Conveyors (product or waste lines)	Stay clear of facility conveyors, product process lines, and waste disposal lines. Be aware of any client specific health and safety requirements to work in these areas.
☐	☒	Facility Equipment/Machinery	Be aware of active and moving client equipment on site.
☐	☐	Facility Piping (Above Ground)	Stay clear of above ground pipes. Unless other arrangements have been made, the Client and/or Facility owner is responsible to identify all applicable aboveground facility pipes prior to any work activities in the area on their facility. Pipes can be overhead hazards, or trip hazards. Pipes can be hazardous because of the material flowing through them, such as steam, natural gas, toxic chemicals, etc. Some pipes are also coated with hazardous material such as asbestos.
☐	☐	Facility Piping (Below Ground)	Unless other arrangements have been made, the Client and/or Facility owner is responsible to identify all applicable underground facility pipe locations prior to any subsurface activities.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	Fall Hazard	Proper tie-off, harnesses, railings, etc. should be used when performing work on ladders, scaffolding, man-lifts, or on the roof of buildings, etc. Stay clear of the edges of pits, trenches, quarries, etc.
☐	☐	Falling Objects	Be aware of any potential falling objects or materials on site. Stay clear of any areas identified as potential falling object areas.
☐	☒	Fences	Be aware of fences in disrepair that may be trip hazards, or may have materials that could cause punctures or cuts. Use caution when crossing over or under fences.
☐	☒	Field Equipment	If field equipment is heavy or awkward to carry, get assistance or use carts to help move around the site.
☐	☒	Field Vehicle	TRC personnel shall follow all applicable state and federal traffic laws while traveling to and from the site, and while working on the site. In particular the following laws should be followed: speed limits, parking restrictions, use of wipers and lights during precipitation events, etc. The use of cellular phones is prohibited, and distracted driving should be avoided. It is the responsibility of the driver to verify that all safety equipment on the vehicle is working properly before they drive the vehicle. In particular the following items should be checked: tire pressure, tire tread, windshield wipers, windshield washer, headlights, tail lights, brake lights, spare tire, fire extinguisher, first aid kit, etc.
☐	☒	Fire Extinguisher Chemicals	To the extent practicable, minimize exposure to potentially toxic fire extinguishing chemicals. See **Appendix G** (Common Fire Extinguishing Agent Guide) for more information.
☐	☒	Fire Hazards	Eliminate sources of ignition in work areas that have ignitable materials. Provide an ABC fire extinguisher in close proximity to the support zone.
☐	☐	Flooded Areas	Do not drive through flooded areas or standing water. Do not wade into moving water, or water deeper than 2 feet without adequate assistance.
☐	☒	Flying Debris/ Eye Injuries	Be aware of any flying debris on site and wear protective eyewear when necessary.
☐	☐	Fork Lifts	Be aware of forklift patterns, and stay clear of those routes.
☐	☐	Gas Cylinders	See above.
☐	☒	Hand Tools	Use only the appropriate tool for the task at hand. Use the tool(s) as designed, described, and intended by the manufacturer. Hand tools will meet the manufacturer's safety standards. Hand tools will not be altered in any way. Makeshift tools will not be used. At a minimum, hand and eye protection will be used when working with hand tools (see glove selection guide provided herein). Wrenches, including adjustable, pipe, end and socket wrenches, will not be used when jaws are sprung to the point that slippage occurs. Impact tools such as drift pins, wedges and chisels, will be kept free of mushroom heads. Wooden handles will be free of splinters or cracks and secured tightly to the tool. At all times use appropriate hand protection when utilizing hand tools.
☐	☒	Heavy Equipment	Contractor is responsible for safe operation of equipment. All mobile heavy equipment must have a functioning backup alarm, and operators must comply with equipment manufacturer's instructions. Maintain proper distance and remain in line of sight of operator and out of reach of equipment. Recognize and take precaution not to enter equipment tail swing areas. Isolate equipment swings, if possible. Make eye contact with the equipment operator before approaching the equipment. Understand and review hand signals, and wear reflective safety vest.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☒	Heavy Lifting	Use proper lifting procedures and equipment when handling heavy objects such as drums, manhole covers, tank covers, etc. If a load is greater than 50 lbs, at least two people must be used.
☐	☐	High Pressure Gas Lines, etc.	Be aware of high pressure gas lines, and follow approved safety precautions when working with or around the lines.
☐	☐	Highway Traffic	Traffic control within the right-of-way will be in accordance with local highway department protocols. Work may be restricted within specific lanes during peak traffic times. Verify peak traffic times, and review planned activities with local highway department, so that appropriate lane closures can be coordinated.
☐	☒	Housekeeping	All field vehicles, job trailers, and field offices will be properly cleaned and organized to prevent cluttered work and storage areas.
☐	☐	Hunters/Firing Range, etc.	Be aware of surrounding activities that may involve hunting, firearms, etc. that may not be in your immediate area, but could be create an unsafe work environment.
☐	☐	Ice (thin)	When project activities include either crossing ice or working directly on the ice, a detailed plan should be developed that will be used to continually evaluate the ice conditions, and to determine when work should be terminated due to unsafe conditions. All staff working on the ice will wear an appropriate and approved personal floatation device. Other emergency equipment such as ropes, a throwable floatation device, a means to warm a wet and cold worker, etc. must be available. A buddy system should also be used for this type of work, such that one person is always on shore or at least on previously determined safe ice.
☐	☐	Ladders	Ladders should only be used if they are in good condition, conform to OSHA requirements, and if they will be used in an appropriate manner. Be especially cautious of slipping on ladders when the ladder or footwear is wet or dirty.
☐	☐	Landfill Gas (Methane, CO2, Hydrogen Sulfide)	Avoid breathing gas, especially in low oxygen areas (simple asphyxiant). Potentially flammable and explosive, so keep ignition sources away from gas. Explosive conditions of LEL >5% in a work area should be ventilated as soon as possible, or the area should be evacuated.
☐	☐	Leachate (Municipal Solid Waste - MSW)	MSW leachate may contain hazardous biological substances, so avoid physical contact with leachate and, if possible, stay up-wind. If contact is made with leachate, wash affected areas thoroughly with soap and water. If boots contact leachate they should be thoroughly washed with soap and water also.
☐	☒	Lead/Arsenic	Wear gloves when in contact with lead contaminated soil, etc. Thoroughly wash hands and arms when daily work is completed.
☐	☐	Lighting	Lighting will be provided so that a sufficient amount of light will illuminate the work area. All electrical lighting will be protected with a Ground Fault Circuit Interrupter (GFCI). In areas were flammable or combustible vapors or dust are encountered, all lighting will be approved for use in Class 1, Division 1 hazardous locations.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☒	Long Hours/Fatigue	Long work hours can lead to fatigue, and fatigue can lead to the physical inability to perform the work in a safe manner, or travel to, or from, a work site in a safe manner. If long work hours are scheduled, or if the scheduled work takes longer than planned, field staff should determine if fatigue is, or will be, an issue. Field staff should evaluate whether they are able to complete the work in a safe manner, or whether they are able to travel in a safe manner. If fatigue is an issue, appropriate breaks should be planned or taken, including overnight stays when necessary.
☐	☒	Material Handling	Move containers and heavy material only with the proper equipment, and secure them to prevent dropping, falling, or loss of control during transport. Stay clear of material handling operations, especially near slopes. Do not stand down the slope from equipment, supplies or materials being moved above on the slope, or being deployed onto the slope.
☐	☐	Material Storage	Stored material may be a falling hazard, or a crush hazard. Do not stand adjacent to materials stacked up, such as pipes, geosynthetic rolls, etc., or in the area of deployment.
☐	☐	Methane Gas (Landfill Gas)	Explosive conditions (5% LEL) will be ventilated, if encountered, prior to working in an area. Methane is a simple asphyxiant.
☐	☐	Mine or Quarry	No work shall be performed within 15 feet (or other designated client setback, whichever is greatest) of the mine or quarry walls. Be aware of the potential for falling rocks or slope failures.
☐	☐	Municipal Solid Waste (MSW)	MSW may contain hazardous biological substances, so avoid physical contact, and if possible stay up-wind. Wear appropriate PPE, such as gloves, safety shoes, and safety glasses. Wash hands, arms, and face after working near MSW. Reusable PPE and equipment should be thoroughly decontaminated after exposure to MSW. MSW may also contain sharp objects with the potential to puncture PPE.
☐	☐	Natural Gas	Natural gas is flammable and explosive. Keep ignition sources away from gas sources. Use spark proof tools when working with gas lines, etc.
☐	☒	Noise	Hearing protection must be worn when noise levels exceed 85 dBA in the work area. If you need to raise your voice to be heard at the work site, then hearing protection should be worn. Hearing protection will be worn near drill rigs.
☐	☐	Overhead Hazards	Pay attention to overhead equipment, piping, and structures. A hard hat must be worn at all times when overhead hazards are present on site.
☐	☐	Overhead Wires	If contact is possible (i.e., equipment, drill rig, excavator, etc.) one or more of the following will be done: ✧ Power sources will be disconnected by the utility. ✧ Power sources will be shielded by the utility. ✧ Object will get no closer than 10 feet to prevent arcing, unless site specific conditions or weather conditions warrant greater separation per best professional judgment, or as directed by utility representatives. ✧ Evaluate the need for shielding and coordinate with local utility representatives.
☐	☒	Pedestrian Traffic (public, client, workers)	Be aware of pedestrian traffic patterns and, route traffic around the exclusion zone(s), as necessary, to avoid distractions and the potential for exposures or accidents. Use appropriate barricades and caution tape to mark work areas.
☐	☐	Portable Heaters	Be aware of portable heater locations and stay a safe distance from them.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	**Power Tools**	All power tools will be inspected regularly (at least on a daily basis) and used in accordance with the manufacturer's instructions and its capabilities. Electrical tools will not be used in flammable areas, unless they are approved for that purpose. Portable electric tools will be used only with a GFCI. Proper hand, eye and hearing protection will be used when working with power tools and all appropriate safety guards must be in place. Personnel will be trained in the proper use of the specific tool. Any defective power tools will be immediately tagged and removed from service. Tools will be stored properly after use.
☐	☐	Power Washing Equipment	Stay clear of the power washing nozzles and equipment.
☐	☐	Propane Tanks	Be aware of propane tank locations, and any gas lines leading to or from the tanks.
☐	☐	Rock Blasting	Contractor is responsible for following safe blasting protocol. Heed all contractor warnings at time of blasting and stay well clear until safe to return to area, as indicated by the contractor.
☐	☒	Sample Preservative Chemicals	Wear safety glasses, cut resistant, and nitrile gloves or equivalent when adding preservative chemicals to sample bottles or vials. Have clean wash water nearby.
☐	☐	Scaffolding	Stay clear of scaffolding. Be aware of the OSHA safety requirements for using constructing and scaffolding.
☐	☐	Severe Weather	Work may be suspended if dangerous weather conditions (lightening, tornadoes, high winds, heavy rain, freezing rain, etc.) occur. Be aware of changing weather conditions, and be prepared to take shelter as necessary. Potential shelters should be identified prior to beginning work.
☐	☒	Sharp Objects	Wear appropriate cut resistant gloves when handling sharp objects, and use appropriate equipment to move objects. See **Appendix C** for the Glove Selection Guideline.
☐	☒	Slippery Ground/Surfaces	Exercise caution, especially on slopes, field trailer floors and stairs, after a precipitation event. Use slip resistant boots, or implement surface preparations to eliminate the slippery nature of the surface prior to accessing the area. Spill control measures and general housekeeping should be utilized to help prevent slipping on wet floors, wet pavement, and general work areas.
☐	☒	Slips, Trips, and Falls:	Maintain clear walkways for work areas.
☐	☐	Steam Cleaning Equipment	Stay clear of the steam cleaning nozzles and equipment. All personnel performing this task must wear a face shield.
☐	☐	Steel Erection	All materials, equipment, and tools, which are not in use while aloft, shall be secured against accidental displacement. The controlling contractor shall bar other construction processes below steel erection unless overhead protection for the employees below is provided. Employees engaged in steel erection activities on a walking/working surfaces with an unprotected side or edge more than 15 feet above a lower level shall be protected from fall hazards by guardrail systems, safety net systems, personal fall arrest systems, positioning device systems or fall restraint systems.
☐	☐	Steep Slopes or Banks	Pay attention to footing and walking. Stay a safe distance from unstable or extremely steep slopes. Wear appropriate footwear. Be aware of potential slope or bank failures. Heavy equipment should not be operated on or near unstable slopes or banks.
☐	☐	Strong Nuisance Odors	Strong odors should be ventilated before entering a work area, or a respirator shall be worn as needed.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	Sunburn	For extended periods of time outdoors on sunny days, sunglasses, long-sleeved shirts and long pants should be worn to help prevent sunburn and eye problems. Wear sunscreen as appropriate for the project.
☐	☐	Surface Water	Working next to or on, bodies of water shall be done using the buddy system. Staff shall wear USCG-approved personal floatation devices when on or adjacent to bodies of water.
☐	☒	Terrain	Uneven or steep terrain can cause hazardous conditions for walking and transporting equipment around the site. Site personnel should use caution when working on uneven surfaces, and they should avoid working down-slope from heavy equipment, or materials being moved or stored.
☐	☒	Traffic (client, contractors, public, semi-trucks, forklifts, etc.)	Obey all posted speed limits. Park in designated areas only. Be aware of traffic patterns on site, and during access to the site. Use orange traffic cones and barrier warning tape, as needed, or if within 25 feet of the right-of-way. TRC personnel must wear safety vests when working in or near traffic areas. For work in public roadways/highways, coordination with local officials and prepare a traffic safety plan.
☐	☐	Trains/Railroad Tracks	Be aware of any train activities on the site, entering or leaving the site, or immediately adjacent to the site. Do not walk between the rails or on the railroad ties. All work must be at least 25 feet away from the tracks unless you have a railroad representative acting as a flagman. When driving, stop at all railroad crossings, even if they are unmarked, and look in both directions before proceeding across the tracks. Coordinate with TRC Project Manager as special permitting may be required for this work, even if not conducted on railroad property or right of way.
☐	☐	Transporting Hazardous Materials	TRC personnel who transport hazardous materials shall have the required DOT and/or IATA training prior to transporting materials, and will comply with all applicable DOT regulations and requirements and IATA guidance for labeling, packaging, etc. See also the Required Personnel Training section of this HASP to review/specify if DOT/IATA training is required for this project.
☐	☐	Tree Cutting	Stay clear of tree cutting activities.
☒	☒	Trenching	TRC personnel will not enter trenches not in accordance with 1926 Sub Part P. Be aware that some trenching conditions may result in a confined space condition. See **Appendix F** (Excavation Hazard Recognition Guide [Trenching/Shoring], Site Assessment Questions, and Related Guidance) for additional guidance.
☐	☒	Trip Hazards (wires, cords, hoses, debris, corn stubble, uneven surfaces, etc.)	Temporary wires, cords, hoses, etc., should be properly located, marked, and protected to help prevent tripping and disruption to work activities. Trip hazards are particularly a problem early in the morning, late in the day, or under other poor lighting conditions.
☐	☐	Under Ground Storage Tanks (USTs) (Septic Tanks)	If any unknown UST's are encountered, drilling or excavations will be terminated in that location until a new scope of work, Risk Assessment and Health & Safety Plan can be developed. Please see Appendix__N/A__ for safety guidelines during UST removal.
☐	☒	Uneven Surfaces	Be aware of uneven walking or driving surfaces and exercise caution when moving around the site.

	Table 6 - Other Common Physical Hazards Matrix		
JSA	**APPL.**	**PHYSICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	Utilities – Overhead	**Electrical, telephone, cable TV, etc. –** In advance of the field work, a subcontractor, the client, or TRC will locate and identify all overhead utilities. The owner or client will be responsible for identifying all applicable overhead utilities, product lines, pipes, and aboveground tanks. A minimum clearance of 10 feet must be maintained between equipment and overhead utility lines. Notification timeframes vary regionally. Coordinate with the TRC Project Manager as to specific timeframes and responsibilities.
☐	☐	Utilities –Underground	**Electric, gas, telephone, water, storm sewer, sanitary sewer, cable TV, etc. -** In advance of the field work, A subcontractor, the client, or TRC will call Digger's Hotline to locate all underground utilities. The owner or client will be responsible for marking all applicable on-site underground utilities, product lines, pipes, and tanks. Coordinate with the TRC Project Manager as to specific timeframes and responsibilities.
☐	☐	Waterways	Exercise caution near, around, or in waterways. Harnesses should be worn when working in, or within 4 feet of, the waterway, especially when attempting to sample from shore or a boat or barge. All applicable laws and regulations will be followed when navigating a boat or barge to and from a work site.
☐	☐	Welding Tools	Stay clear of welding operations, and do not look directly at the welding process without appropriate eyewear and shield.
☐	☐	Cold Stress	Work schedules may be modified when temperatures are below 20° F as measured by the wind chill factor. Take frequent breaks to warm up. Drink plenty of fluids. Wear appropriate clothing, and monitor for cold stress symptoms (frostbite, hypothermia, etc.). See **Appendix D** for additional information.
☐	☒	Heat Stress	The work schedule may be modified if the ambient temperature is more than 80° F. Take breaks as necessary, and drink plenty of fluids. If necessary, wear sunscreen and sunglasses on bright days. Monitor site personnel for signs of heat stress symptoms (heat rash, heat cramps, heat exhaustion, or heat stroke). See **Appendix D** for more information.
Notes: APPL. – Abbreviation for "Applicable." N/A – Not applicable JSA – Job Safety Analysis			

5.4 Biological Hazards

	Table 7- Common Biological Hazards Matrix		
JSA	**APPL.**	**BIOLOGICAL HAZARD**	**GENERAL CONTROL MEASURE**
☐	☐	Animals (dogs, etc.)	Be aware of any animals on site or adjacent to the site. Appropriate care should be taken if any feral (wild) animals are encountered. Dogs often are not leashed and may be unfriendly. Bites from dogs and wild animals can cause infections or transmit disease. In general, it is best to not approach dogs even if they appear to be friendly, and wild animals should never be approached. If bitten, the area should be washed with soap and water. If the bite resulted in puncturing or tearing of the skin, the wound should be covered with a sterile dressing and medical attention should be sought immediately. A description of the dog should be noted and if possible, the dog's owner.
☐	☐	Blood-Borne Pathogens	Injuries received in the field may require assistance from a field team member to perform first aid. Contact with blood and certain body fluids can contain pathogens that may be transmitted by contact with an open wound by the caregiver. The following precautions should be used when giving first aid: ✧ Use nitrile gloves to avoid contact with blood/fluids. Spent bandages and gloves used to perform first aid should be placed in a plastic bag and properly disposed. ✧ Blood/fluid should be cleaned from surfaces that may be contacted by other individuals. ✧ Use an appropriate barrier if required to perform rescue breathing.
☐	☐	Briars or Thistles	Be aware of any briars or thistles on site. Wear appropriate clothing and gloves. Avoid contact with briars or thistles whenever possible.
☐	☒	Insects (ticks, bees, spiders, etc.)	Site workers with known allergies to insect bites should carry their own medication. In case of emergencies, inform fellow workers of any severe allergies. Use insect repellant as necessary, and as specifically allowed on site. If possible, wear long-sleeved shirts and pants. If appropriate, check for ticks at the end of each day. Have other appropriate first aid supplies handy for bites. **Ticks -** Avoid wooded and bushy areas with high grass and lots of leaf litter. If you do go into areas like this, try to stay in the center of a cleared trail to avoid contact with overgrown grass, brush, and leaf litter. Use effective tick repellants and apply according to the label instructions. For more information on repellants see the EPA Insect Repellants: Use and Effectiveness site. Wear long sleeves, long pants, and long socks to keep ticks on the outside of clothing. Light clothing will help spot ticks. Tuck shirts into pants and pants into shoes or socks to keep ticks on the outside of clothing. If outside for an extended period of time then tape pant legs where pants and socks meet so that ticks cannot crawl under clothes. Perform daily tick checks after being outdoors in areas where ticks are present, even in one's own yard. Remove ticks from clothing, gear, and pets before going inside. Inspect all parts of the body carefully, especially the armpits, scalp, and groin. Shower or bathe as soon as possible to wash off any ticks that still remain on you. Tumble clothes in a dryer on high heat for an hour to kill remaining ticks. Attached ticks should be immediately removed with fine-tipped tweezers. To remove an attached tick, grasp it with narrow-bladed tweezers or forceps as close as possible to attachment (skin) site, and pull upward and out with a firm and steady tension. If tweezers are not available, use fingers shielded with tissue paper or rubber gloves. Do not handle with bare hands. Be careful not to squeeze, crush or puncture the body of the tick which may contain infectious fluids. After tick removal, thoroughly disinfect the bite site and wash hands. Seek medical attention if there is a concern about incomplete tick removal. It is important that a tick be

	Table 7- Common Biological Hazards Matrix		
JSA	**APPL.**	**BIOLOGICAL HAZARD**	**GENERAL CONTROL MEASURE**
			properly removed as soon as it is discovered. Seek medical attention if you develop a rash or fever within several weeks of removing a tick. **Mosquitos -** Reduce the risk of being bitten by mosquitoes. Minimize time spent outdoors around dusk and dawn when mosquitoes are most active. Wear shoes, socks, long pants, and a long-sleeved shirt when outdoors for long periods of time, or when mosquitoes are most active. Clothing should be light colored and made of tightly woven materials that keep mosquitoes away from the skin. Consider the use of an EPA-registered insect repellent. Follow the directions on the package. Be sure to use insect repellent and wear long sleeves and pants at these times or consider staying indoors during these hours. **Spiders -** Spiders typically seek cover in dark protected areas. Common areas where spiders may be encountered are heavy vegetation and trees or infrequently used buildings and structures. Spiders also are found in basements and enclosed spaces where sampling may be performed. Spider bites may cause swelling, pain and respiratory problems. Avoid dense vegetation, and use caution when sampling in dark or poorly illuminated locations. If bitten, wash the area and use ice on the bite area to reduce swelling. If respiratory stress, significant pain or swelling is noted, or discoloration around the bite area occurs, seek immediate medical attention. **Stinging Insects -** Like spiders, wasps and yellow jackets often nest in dense vegetation and in the ground, in long-standing protective casings on monitoring wells and shielded gate locks, or in infrequently used buildings and structures. An insect sting can cause pain, swelling, and respiratory problems that may be life-threatening to certain individuals. If stung, remove stinger if present using tweezers or similar, and wash the area and use ice on the sting area to reduce swelling. If respiratory stress, significant pain or swelling is noted, or discoloration around the sting area occurs, seek immediate medical attention.
☐	☒	Long Hours/Fatigue	Long work hours can lead to fatigue, and fatigue can lead to the physical inability to perform the work in a safe manner, or travel to, or from, a work site in a safe manner. If long work hours are scheduled, or if the scheduled work takes longer than planned, field staff should determine if fatigue is, or will be, an issue. Field staff should evaluate whether they are able to complete the work in a safe manner, or whether they are able to travel in a safe manner. If fatigue is an issue, appropriate breaks should be planned or taken, including overnight stays when necessary.
☐	☐	Poisonous Plants	Be able to identify any local poisonous plants and avoid them if possible, or wear protective clothing as necessary. When removing potentially exposed clothing or PPE, the clothing or PPE should be carefully and thoroughly washed or decontaminated.
☐	☐	Snakes	Be aware of the potential for snakes in the area and wear snake boots, snake chaps, gaiters, or leggings as needed.

Notes:
APPL. – Abbreviation for "Applicable."
JSA – Job Safety Analysis

5.5 Radiological Hazards

No radiological hazards are expected onsite. If any new condition is encountered during this activity, the HASP will be adjusted accordingly.

Table 8 - Radiological Hazards Matrix

JSA	APPL.	PHYSICAL HAZARD	GENERAL CONTROL MEASURE
☐	☐	Radiation (ionizing)	Exposure to ionizing radiation can be controlled by one of three methods. Time, distance, or shielding. Limit your time near the radioactive source. Keep your distance from the radioactive source. Shield yourself from the radioactive source with appropriate shielding material. If the radioactive source(s) are from TRC equipment, the TRC employee using the equipment needs required training to use the equipment, and must be monitored using a dosimeter badge. Update contact information for TRC subject matter expertise and regulatory authorities.
☐	☐	X-Ray Fluorescence Instruments (a.k.a., XRF Guns)	XRF units for field metals analysis are only to be used by trained employees with radiation safety training. Licensing requirements can vary by state. Coordinate with a TRC CIH before utilizing in the field to set up dosimetry protocols and instrument specific safety procedures.

Notes:
APPL. – Abbreviation for "Applicable."
XRF – X-ray fluorescence
JSA – Job Safety Analysis

6. Air Monitoring

6.1 Air Monitoring Equipment and Use Recommendations

The following table outlines monitoring equipment needs and rationale. Note that an upgrade to a higher level of respiratory protection (C or higher) will warrant revision or addendum to this HASP and consultation with a TRC Certified Industrial Hygienist (CIH) before work recommences.

Table 9 - Air Monitoring Equipment Use Recommendations

Instrument	Use Code	Action Levels	Notes/Rationale
PID	R	5 ppmv*	Recommended for VOC screening to monitor airborne VOC concentrations in breathing zone levels. If PID readings are sustained above 5 ppmv in the breathing zone for at least 5 minutes, move to an upwind location for 15 minutes. After 15 minutes, measure again. If PID readings are still above 5 ppmv in the breathing zone, contact the OSC or TRC Safety Director to evaluate suitable response actions. Any upgrade in respiratory protection will be coordinated with the corporate health and safety director and/or the OSC. Withdraw from area if PID readings exceed 50 ppmv.
TSI Dustrak™ (or equivalent)	C	> 150 µg/m^3; 15 minute average**	Use where contaminants could adhere to fugitive dust, and where fugitive dust migration could potentially serve as a significant exposure pathway. Half-faced APR for particulates to be used intermittently/temporarily where dust control measures cannot maintain dust levels below action level. Use is optional for dust levels below the action level. Use of a half-face APR for dust does not require CIH approval where dust action level excursions are limited in duration and where dust control measures will be implemented until below the action level. However, personnel must be trained, medically certified and fit tested for half-face APR use.
O^2/LEL	C	19.5%	Recommended for landfill work/confined space work.
H_2S Meter	C	1 ppm	Recommended for landfill, lagoon work and confined space entry, sewer gases, anaerobic degradation sites.
CO	C	25 ppm	½ of the PEL (PEL = 50 ppm)
CGI	C	10% LEL	Recommended safe level to prevent explosive conditions.
MINIRAM (or equivalent)	O		Supplement operation of Dustrak™ stations for work near sensitive receptors.
Radiation meters	N/A		Not known or anticipated to be a Contaminant of Concern.
Other _____			Coordinate all additional instrumentation with the OSC.

Notes:
* Site/project specific action levels for VOCs may be established in consultation with the OSC.
** Above background upwind levels

PID – Photoionization detector	LEL – Lower Explosive Limit	O_2 – Oxygen
H_2S – Hydrogen Sulfide	CO – Carbon Monoxide	ppm – Parts per Million
CGI – Combustible Gas Indicator	VOC – Volatile organic compound	

Use codes: R – Required, C – Condition specific, O – Optional, N/A – Not applicable

6.2 Air Monitoring Procedures

The OHSO will measure organic vapor concentrations in the breathing zone using the PID during investigative activities. Fugitive dust emissions are not anticipated to be a concern. When required, air monitoring will be performed using a combination of real-time dust monitoring upwind and downwind of the work area, and at a point near the closest receptor. Please see the Client's Emergency Response Plan for additional details.

6.3 Exposure Limits for Potential Airborne Contaminants

The following table summarizes anticipated concentrations and accepted exposure limits of chemicals potentially present within the Project Corridor, based on TRC's review of regulated Disposal Sites along the pipeline route.

Table 10 - Summary of Exposure Limits – Known/Suspected Potential Airborne Contaminants

Chemical of Concern	Detected Concentration	OSHA PEL/ACGIH TLV
Petroleum (TPH)	440-8,500 mg/kg	100 ppm (OSHA PEL for Naphtha [coal tar]) 1 ppm (OSHA PEL for benzene)
Inorganic Arsenic	1.7-27.0 mg/kg	0.01 mg/M^3 TWA (a)
Cadmium (metal dust)	84 mg/kg	0.005 mg/M^3 TWA (b)
4,4'- DDD	16-40 mg/kg	NA (c)
4,4'- DDT	29-170 mg/kg	1 mg/M^3 TWA (skin) (b)
Dieldrin	2.7-6.1 mg/kg	0.25 mg/M^3 TWA (c)
Nuisance Total Dust (1) Respirable fraction (1)	Unknown	10 mg/M^3 TWA 5 mg/M^3 TWA Cal/OSHA
Flame retardants/extinguishing chemicals	Unknown	See **Appendix G** for further guidance

Notes: *Exposure and hazard data obtained from the NIOSH Pocket Guide to Chemical Hazards* unless otherwise noted.

ppm – parts per million
OSHA – Occupational Safety and Health Administration
TLV – Threshold Limit Value
PEL – Permissible Exposure Limit

(a) Proposed Cleanup Level – 12 mg/kg
(b) California Human Health Screening Level – Industrial Soil 4,4'-DDT is 6.3 mg/kg; Cadmium is 7.5 mg/kg
(c) Regional Screening Level – Industrial Soil 4,4'-DDD is 7.2 mg/kg; Dieldrin is 0.11 mg/kg

Table 11 - Preservatives and Decontamination Products		
Chemical of Concern	**On-Site Usage and Potential Exposures**	**Control Method/Other Notes**
Hydrochloric Acid (HCl)	Less than 20 ml quantities used for sample preservation. Air phase exposure is expected to be minimal and incidental to sample containerization.	5 ppm (OSHA PEL)
Nitric Acid (HNO_3)	Less than 20 ml quantities used for sample preservation. Air phase exposure is expected to be minimal and incidental to sample containerization.	5 mg/m^3 (OSHA PEL)
Isobutylene	100 ppm gas for use during calibration of PID instruments	No specific exposure limits for isobutylene (simple asphyxiant). Maintain oxygen levels above 19.5%. Before attaching regulator to cylinder, verify that the regulator is off. Before opening regulator, make sure that tubing connecting regulator to monitoring device/tedlar bag is secure. To use a tedlar bag, put bag control valve in an open position and close after filling. Before disconnecting gas from the instrument and/or tedlar bag, verify the regulator is closed. Empty bag of contents after calibration in a downwind position and/or to avoid inadvertent inhalation.
Notes: ppm – parts per million ml – milliliters ug/m3 – micrograms per cubic meter OSHA – Occupational Safety and Health Administration PEL – Permissible Exposure Limit		

7. Personal Protective Equipment (Non-Respiratory)

TRC personnel will use Level D PPE as noted/modified below:

Table 12 - Level D Personal Protective Equipment

Item	Rationale/Notes
Hardhat	Appropriately rated hard hats will be worn by personnel for protection against overhead hazards, including electrical.
Hearing protection	Hearing protection will be worn by all personnel exposed to at least 85 dB of sound during the workday.
Safety boots (steel toe/steel shank)	Steel-toe safety boots will be worn by all personnel during project work described in this HASP and at all times on site.
Eye protection (safety glasses)	Eye protection will be worn when personnel are exposed to flying debris, chemical vapors or particulates. Chemical splash goggles will be worn for protection against chemical gases, vapors or particulates. Safety glasses will be worn for protection against flying objects.
Safety vest	Utilize in areas in or near vehicular traffic of any kind on or off property.
Chemical Protective Clothing (CPC) and Gloves	CPC and gloves will be inspected according to TRC's Personal Protective Equipment Program. CPC will be chosen with assistance from the OSC according to the chemical hazards present. Gloves to be changed between samples to avoid cross-contamination.
Cut resistant work gloves	As indicated herein, use Cut and Abrasion Resistance gloves when necessary for hand protection during field tasks. See **Appendix C** for a Glove Selection Guide**.** ***Leather work gloves are expressly prohibited.***

A basic first aid kit will be readily available on-site in the event of an emergency.

Fire extinguisher should be present with the rig. All personnel working on or around the drill rig should know the location of and how to operate the fire extinguisher.

8. Personal Protective Equipment (Respiratory)

TRC's respiratory protection program is established to coordinate the use and maintenance of respiratory protective equipment in order to (1) reduce employee exposure to toxic chemical agents; and (2) to allow employees to work safely in hazardous work environments (those with potentially unknown, toxic, explosive, and/or oxygen deficient atmospheres). Management is concerned not only with meeting federal and/or state regulations, but also maintaining employee health and safety. All respirators, cartridges, medical monitoring and training required by this program will be provided at no cost to the employees.

Respirators will be needed during the following situations until exposure conditions are known:

Asbestos monitoring inside containment
Conducting surveys for asbestos
Lead/Arsenic exposure conditions
Dusty conditions
Mercury exposure conditions
Demolition of concrete structures
Confined space work
Mold abatement work and monitoring
Level C and B work.

The policy for the RMD Safety Program is to ensure that a TRC Certified Industrial Hygienist (CIH) has reviewed (or helped craft) and approved all Level C or higher respiratory protection elements documented in the HASP before field implementation.

8.1 Evaluating the Need for a Respiratory Protection Upgrade

TRC's health and safety goal is to avoid using respiratory protection unless it is absolutely necessary or required. Administrative controls or engineering controls should always be considered as a means to reduce potential exposures before PPE is required or considered consistent with the hierarchy of control philosophy (elimination/substitution > engineering controls > administrative controls > personal protective equipment).

For TRC operations that require the use of a respirator, the TRC Project Manager (and Contractor equivalent) must verify that Field Personnel are medically approved to use respiratory equipment, fit tested, and trained in the proper use of respirators. Only respirators that are NIOSH/MSHA[1] approved are to be used.

Respiratory protection is mandatory if workers are required to complete tasks within a hazardous atmosphere. Per that Occupational Health and Safety Administration (OSHA), a hazardous atmosphere is defined as:

- Flammable gas, vapor, or mist in excess of 10-percent of the Lower Explosive Limit (LEL).
- Atmospheric oxygen is below 19.5-percent or above 23.5-percent.
- When concentration of a known contaminant is greater than the permissible exposure limit (PEL).
- Airborne combustible dust exceeds its LEL (approximated when dust obscures vision at a distance of 5 feet or less).

Other conditions may warrant a respiratory protection upgrade per the discretion of the TRC Project Manager, OSC, RMD Safety Manager, or Health & Safety Director as well as the client.

1 NIOSH – National Institute for Occupational Safety and Health; MSHA – Mine Safety and Health Administration

Air monitoring may be required to verify the presence or absence of a hazardous atmosphere. Conduct air monitoring whenever a situation or condition arises that could reasonably result in a hazardous atmosphere.

Any worker wearing a respiratory protective device in a potentially or known hazardous atmosphere must demonstrate a proper fit test with that device. Fit test records are maintained on file by TRC. The proper fitting of respiratory protective devices requires the use of a fit test. The fit test is needed to determine a proper match between the face piece of the respirator and the face of the user. Fit testing will be conducted after medical approval has been obtained. Qualitative fit-tests involve the use of a test atmosphere that employees can sense. If they are not responsive to the test material then other test methods must be deployed. Quantitative fit-tests provide a respirator specific protection factor. TRC usually does qualitative fit-tests.

Please see Chapter 12 (Respiratory Protection) of the 10/5/2010 TRC Health and Safety Manual for detailed guidance.

8.2 Air-Purifying Particulate Respirators

Field work involving construction and earthmoving operations that result in nuisance dust and particulates may use air-purifying respirators. Particulate respirators can be used in situations where nuisance dust and particulates are the only contaminants posing an inhalation hazard. Particulate respirators are not to be used in oxygen deficient atmosphere or if hazardous levels of gas/vapor contaminants are also present.

High efficiency particulate air (HEPA) P100 respirators should be used in place of commercially available "dust masks." Select cartridges that are based on the amount of oil and liquid vapors present. Magenta is the color code for HEPA cartridges.

Use Organic Vapor or Organic Vapor Acid Gas (OVA) cartridges in atmospheres with VOC detected. Organic Vapor cartridges are color coded in black and OVA cartridges are color coded in yellow. These cartridges may be used in combination with HEPA cartridges.

8.3 Air-Purifying Gas/Vapor Respirators

TRC employees and Contractors are required to wear half-face, air-purifying respirators with the appropriate chemical cartridge under the following circumstances:

- When concentration of a known contaminant continuously exceeds permissible exposure limit (PEL) time-weighted average or the threshold limit value (TLV) time-weighted average.
- When volatile organic compound (VOC) vapors in the work area continuously exceed the threshold limit value-time-weighted average (TLV-TWA).
- When, at any time, VOC vapors in the work area exceed the threshold limit value - short-term exposure limit (TLV-STEL).

See Table 10 for site-specific or additional information on regulatory exposure limits for chemicals/exposures of concern at this site.

Air purifying respirators (APRs) with chemical cartridges can be used under the following conditions:

- If the oxygen concentration is between 19.5-percent and 23.5-percent.
- If chemical contaminants have been identified, the toxic concentrations are known and the respirator cartridges are effective in removing the contaminants.
- The respirator and cartridges are NIOSH/MSHA approved.
- The contaminants have noticeable warning qualities such as odor and visibility characteristics including color.

In the event workers are required to wear APRs with chemical cartridges, the following requirements must be met:

- The TRC Project Manager or Contractor's SSO must verify that workers are:
  - ✧ Medically approved (within one year) to use respiratory protection,
  - ✧ Fit-tested for the specific respirator to be used, and
  - ✧ Trained in the proper care, use and limitations of the respirator to be used.
- Contractors must provide proof of the above to the TRC Project Manager, upon request.
- If an employee or contractor has not cleared by the Project Manager to use a respirator, they will not be assigned tasks that may potentially expose them to contaminants.
- Personnel with interfering facial hair are not permitted to wear respirators and shall not be permitted in areas where respiratory protection is required.
- Respirators must be sized to the employee
- Qualitative fit tests conducted by trained employees

Note that the protection factor (PF) on a ½ face APR is 10. If air concentrations/ levels are more than 10-times the TLV, the upgrade would require a full face APR (which has a PF of 50). All APR selections for a project are subject to TRC CIH review.

8.4 Supplied Air Respirators

Supplied-air respirators, such as a Self-Contained Breathing Apparatus (SCBA) or airline-equipped full-face respiratory protection, are not anticipated to be required at the site. This level of respiratory protection is utilized in oxygen deficient atmospheres or atmospheres considered to be at or above immediately dangerous to life and health (IDLH) levels. These conditions will only occur in rare, if any, circumstances such as confined space entry or emergency situations. The use of air-supplied respiratory protection is not permitted without approval and guidance from the OSC and TRC CIH.

9. Site Control/Work Zones (Optional)

TRC anticipates that Work Zones (i.e., clean area, decontamination area, work area), as appropriate, have already been established as remediation activities are underway. If needed, TRC personnel will demarcate Work Zones, as appropriate. Access to the work area, specifically the immediate area surrounding the remediation activities, will be limited to authorized personnel only to the extent TRC has authorization.

Table 13 - Site Control/Work Zones Matrix

APPL.	CONTROL ELEMENT	SPECIFY/DESCRIBE [1]
☐	**Site Specific Controls**	N/A
☐	Facility Alarms or Signals	N/A
☐	Work Permitting	N/A
☐	Work Area Traffic	N/A
☐	Parking Issues/Restrictions	N/A
☐	Railway Traffic/Activity	N/A
☐	Other	N/A
☒	**Support Facilities/Zones**	Noted below.
☒	Field vehicle	TRC Fleet Vehicle Number _____, Registration Number_____ Pick-up trucks
☐	On-site office trailer	
☐	Other	
☒	**Contaminant Reduction Zone**	Noted below.
☐	Field vehicle	
☐	Facility restroom/utility room	
☒	Other	Secure, fenced property
☒	**Exclusion Zone(s)**	Noted below.
☒	Immediate vicinity of work area	Delineate per OHSO.
☐	Other	
☒	**Site Entry Procedures**	Noted below.
☒	Notify Site OSHO	Contact information in Section 1.

Table 13 - Site Control/Work Zones Matrix		
APPL.	**CONTROL ELEMENT**	**SPECIFY/DESCRIBE [1]**
☒	Read/sign HASP	Note tailgate briefing below.
☒	Check in with facility contact	Contact information in Section 1.
☐	Check in with security guard	
☒	Wear PPE called for in HASP	See Sections 7 and 8.
☒	**On-Site Orientation**	Noted below.
☐	Attend facility orientation / tail gate safety meeting	No formal facility orientation anticipated. Follow HASP defined tailgate briefing checklist and documentation procedure noted below.
☒	Daily tailgate safety briefing	Document briefing per HASP/checklist (see Section 14).
☐	**Other** (specify)	
☐	**Other** (specify)	

Notes:
1- Were applicable, summarize or reference relevant plan, procedure, etc.
APPL. – Abbreviation for "Applicable."
HASP – health and safety plan
N/A – Not applicable
OSHO – TRC's On-Site Health and Safety Officer
PPE – Personal Protective Equipment

10. Job Safety Analyses

A Job Safety Analysis (JSA) is a safety management tool in which the risks or hazards of a specific job in the workplace are identified, and then measures to eliminate or control those hazards are determined and implemented. More specifically, a job safety analysis is a process of systematically evaluating certain jobs, tasks, processes or procedures and eliminating or reducing the risks or hazards to as low as reasonably practical (ALARP) in order to protect workers from injury or illness. The JSA process is documented and the JSA document is used in the workplace or at the job site to guide workers in safe job performance. The JSA document is also a living document that is adjusted as conditions warrant.

The JSA process begins with identification of the potential hazards or risks associated with a particular job. Once the hazards are understood, the consequences of those hazards are then identified, followed by control measures to eliminate or mitigate the hazards. The following lists those tasks and/or hazards for which JSAs have been prepared (also noted in Tables 5 through 8, as applicable):

- Heavy Equipment
- Driving/Traffic Hazards

Please refer to **Appendix H** for the Job Safety Analyses prepared for this project.

11. Required Personnel Training

TRC field personnel will have the training outlined below before on-site work activities:

Table 14 - Project Training Requirements

(* required for all sites; but minimum recommended)

Check "A" if training required for everyone, and check "T" if training required for specific task or per notations.

A	T	SUBJECT	REFERENCE	
			29 CFR 1910	29 CFR 1926 or Other
☒	☐	HAZWOPER 40 hour*	1910.120	1926.65
☐	☐	3-Day HAZWOPER Supervised On-site*	1910.120	1926.65
☒	☐	8-Hour HAZWOPER Refresher*	1910.120	1926.65
☐	☒	8-Hour Supervisor HAZWOPER*	1910.120	1926.65
☐	☒	First Aid, CPR*,**1**	1910.151	1926.23,.50
☒	☐	Hazard Communication (HAZCOM)	1910.1200	1926.59
☐	☐	DOT / IATA Shipping Training	1910.1201	49 CFR 172.704
☒	☐	Respiratory Protection Training	1910.134	G-7-1989**3**
☐	☐	NE Utilities Sub-station Awareness**2**	1910.269	TRC Policy**4**
☐	☐	Electrical Safety: Know Your Ground.	1910.269	TRC Policy**4**
☒	☐	TRC Hand Protection Policy	1910.138	TRC Policy**5**
☒	☐	Defensive Driving	N/A	White Paper**6** TRC Manual**7**
Client-specific training: ☐ Not Applicable ☐ Specify				
Client-specific training: ☐ Not Applicable ☐ Specify				
Client-specific training: ☐ Not Applicable ☐ Specify				

Note:
1 Per the TRC Health and Safety Policy and Procedure Manual, each TRC project will have at least one certified CPR/first aid trained person on site at all times. All Project Managers and anyone acting as the on-site Health and Safety Officer must be current in First Aid/CPR.
2 Required for all personnel involved in response actions conducted at electrical substations.
3 Compressed Gas Association's Commodity Specification for Air
4 TRC Health and Safety Policy and Procedure Manual (Revision 1, May 2010), Section 27, Electrical Safety
5 TRC RMD Hand Protection Policy, August 2012
6 Guidelines for Employers to Reduce Motor Vehicle Crashes (joint white paper by NETS, NHTSA and OSHA)
7 TRC Driver and Vehicle Management Policy and Procedure Manual, Rev 1 (April 2012)

Project training requirements beyond those provided in the above table will require a HASP revision/upgrade or concurrence of the TRC Safety Director or RMD Safety Manager.

12. Medical Monitoring

Medical monitoring will apply routinely to all employees who are or may be exposed to hazardous substances or health hazards at or above the established permissible exposure limit, above the published exposure levels for these substances, without regard to the use of respirators, for 30 days or more a year (40 CFR 1910.120[f][2][i]). Said TRC field personnel will have the medical surveillance outlined in the table below prior to commencing on-site work activities.

Table 15 - Medical Surveillance Required

*Baseline is minimum recommended.

	29 CFR 1910	29 CFR 1926 or Other	Notes
☒ HAZWOPER Physical - Baseline*	1910.120	1926.65	
☒ HAZWOPER Physical – Annual	1910.120	1926.65	
☐ HAZWOPER Physical - Biennial*	1910.120	1926.65	
☒ Medical clearance for respirator use	1910.134	N/A	Unrestricted clearance.
Client-specific drug testing[1]	☐ Not Applicable ☐ Specify		
Client-specific medical monitoring[1]	☐ Not Applicable ☐ Specify		
Site-specific medical monitoring:	☐ Not Applicable ☐ Specify		

Note:
N/A – Not applicable.
[1] Client required drug testing or medical monitoring should be coordinated through the Project Manager.

TRC has a Drug and Alcohol-Free Workplace Policy (TRC Academy Course #900013753). TRC may require employees or subcontractors to be tested upon reasonable suspicion, following accidents or incidents during work activities, or during travel to or from a project site. Client policies may be stricter in regard to procedures following an accident. Project Managers must be aware of these and inform employees and subcontractors of any additional requirements.

13. General Safety Requirements

The general safety rules listed below apply to all TRC personnel present at the site.

- A tailgate health and safety meeting will be held with all field team members and subcontractors each day prior to the start of work.
- Adhere to all requirements of this health and safety plan (HASP).
- Wear protective clothing appropriate for the designated level of protection and decontaminate before entering clean areas when applicable.
- Use safety equipment in accordance with OSHA guidance and labeling instructions.
- Maintain safety equipment in good condition and proper working order and make sure that the equipment is calibrated prior to use.
- Immediately report unsafe acts or conditions to the Project Manager and OSC.
- Eating, drinking, and smoking are prohibited on site, except in designated areas.
- Maintaining a position upwind from intrusive activities is encouraged.
- The emergency shutoff switch should be demonstrated to be working prior to initiating drilling.
- An adequately stocked first-aid kit will be maintained at the work site.

14. Tailgate Safety Meetings

A tailgate safety meeting will be conducted daily prior to commencement of the work day (see checklist provided in **Appendix I**) or if site conditions change.

Topics covered by the tailgate safety meeting will include, but not be limited to:

- Scope of work and who will conduct each task
- Potential hazards for the scope of work
- weather forecast
- PPE
- Emergency procedures and the route to the medical facility
- Site conditions and features
- Communication guidelines related to stakeholder engagement and visitors

Safety meetings will be held to address modifications to this HASP and any addenda prepared to supplement the HASP. Subcontractors and personnel present at the tailgate safety meeting shall be required to sign an acknowledgement form after each meeting.

15. Emergency/Contingency Plan

Before commencing any on-site operations, the TRC OHSO will advise all personnel of potential emergencies. Personnel will be advised on their roles in the event of an emergency, and the steps to take for a timely and controlled response.

Communication networks/chain of command - All on-site personnel will communicate any accident, injury or near miss to the TRC OHSO who will provide instruction on how to proceed further.

First Aid / Safety Equipment - First aid equipment should be readily available in the event of an emergency. First aid equipment should include a well-stocked first aid kit, fire extinguisher and emergency eye wash.

Evacuation Plans and Refuge Area - All personnel should safely remove themselves from danger in the event of an emergency and safely access the refuge area. The refuge area should be in an upwind location a safe distance from the work zone. The refuge area will be determined during the daily safety briefing.

Notifications of Fire, Police and Emergency Facilities - In the event of an emergency that cannot be controlled by on-site personnel, the appropriate emergency contact shall be notified. All personnel shall remove themselves from the area of danger and wait for the arrival of help in the predetermined refuge area. The following is a list of local emergency contacts:

15.1 Non-Emergency Medical Assistance

If an injury does occur and it is not life threatening, then the employee or employee's supervisor/project manager should contact WorkCare as soon as possible, but within the first hour after an injury. WorkCare information is proved in **Appendix J**. This information will help assist the injured employee by connecting them with instant access to a medically qualified professional in order to provide guidance on appropriate first aid measures and medications.

Table 16 - Non-Emergency Telephone Number

Service	Telephone Numbers	Notes
TRC Work Care Service	888-449-7787	See **Appendix J**

16. Observations

Note that the Project Manager and/or OSC will notify field staff if their site activities may be the subject of Safety Observation, an integral part of the continuous improvement safety culture promoted at TRC. If subject to an observation, please note the following:

- ✧ The Observation will tend to focus on the highest risk activity (as a general example, drilling in a public right-of-way).
- ✧ Follow-up observations may need to occur on previous observes, depending on prior data collected.
- ✧ The observer's preparation before visiting the site will be a review of the HASP, JSAs, client-specific requirements, etc., and a review of the work scope with the Project Manager to ensure the context of the work is well understood in advance.
- ✧ Review items may include PPE, body use and positioning, work environment, operating procedures, and tools and equipment (see **Appendix K**).
- ✧ The observation should last between 30 and 60 minutes.

Observations are documented on a form in **Appendix K**. Both positive and negative observations are candidates for documentation and discussion. The overarching goals are to identify and correct questionable practices, and to identify and promote good, safe and efficient practices. This data gathering process allows TRC safety specialists to identify root causes for safety issues in both categories to better inform policy decisions.

17. Incident/Near Miss Reporting

In case of an accident, TRC personnel must report the incident or near miss immediately to their project manager/supervisor and/or OSC, and client's representative, and follow the TRC Incident Response and Reporting Process (see **Appendix L**). If neither is available, the incident shall be reported to the TRC Safety Director (Mike Glenn). Blue section of the TRC Incident Response and Reporting form must be completed within 24 hours following the incident. Accident/injury/exposure information must be recorded per TRC policy (see **Appendix L**) and will be the basis of any accident/incident investigations. A Near Miss Reporting "short form" is also included in Appendix L for use in expediting the reporting of near misses.

18. Acknowledgement

TRC personnel working under this HASP must read the HASP and sign the acknowledgment in **Appendix M**.

19. Subcontractors and Health and Safety Planning

TRC personnel must provide the complete HASP to all subcontractors for their reference in advance of the work. Subcontractors must prepare their own HASP and provide evidence of HASP preparation before the start of site work to ensure that the subcontractor has an understanding of the safety hazards associated with the work that they are performing. Subcontractor HASPs are not required to be included unless contractually/client required, of is so desired by the Project Manager or OSC.

20. Other Supporting Documentation

Supporting documentation and plans may be appended per the discretion of the Project Manager or OSC.

Figure 1
Site/Boring Location Plan



NOTE:

Modified from a map provided by Google Earth Professional, dated 3/7/2011.

SCALE (FEET)

0 200

TRC	PROJECT: 203004	SITE PLAN
	FACILITY: COMSTOCK GAGE LLC C/O COMSTOCK REALTY PARTNERS 7316 EAST GAGE AVENUE COMMERCE, CALIFORNIA	FIGURE 1

MS=1:200 L:\Graphics\ProjectsByName\Comstock (Commerce Disposal)\CADD\Comstock-AerialLdwg Apr 28, 2014 - 3:38pm Rcollins

Appendix A
Drilling, Borehole, Excavation Checklist

EXCAVATION CHECKLIST

(To be completed by a Competent Person)

SITE LOCATION:			
DATE:	TIME:	COMPETENT PERSON:	
SOIL CLASSIFICATION:	EXCAVATION DEPTH:	EXCAVATION WIDTH:	
TYPE OF PROTECTIVE SYSTEM USED:			

Indicate for each item: YES - NO - or N/A for not applicable

1. General Inspection of Jobsite:	
A. Excavations, adjacent areas, and protective systems inspected by a competent person daily before the start of work.	
B. Competent person has the authority to remove employees from the excavation immediately.	
C. Surface encumbrances removed or supported.	
D. Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	
E. Hard hats worn by all employees.	
F. Spoils, materials, and equipment set back at least two feet from the edge of the excavation.	
G. Barriers provided at all remotely located excavations, wells, pits, shafts, etc.	
H. Walkways and bridges over excavations four feet or more in depth are equipped with standard guardrails and toeboards.	
I. Warning vests or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	
J. Employees required to stand away from vehicles being loaded or unloaded.	
K. Warning system established and utilized when mobile equipment is operating near the edge of the excavation.	
L. Employees prohibited from going under suspended loads.	
M. Employees prohibited from working on the faces of slopes or benched excavations above other employees.	
2. Utilities:	
A. Utility companies contacted and/or utilities located.	
B. Exact location of utilities marked.	
C. Underground installations protected, supported, or removed when excavation is open.	
3. Means of Access and Egress:	
A. Lateral travel to means of egress no greater than 25 feet in excavations four feet or more in depth.	
B. Ladders used in excavations secured and extended three feet above the edge of the trench.	
C. Structural ramps used by employees designed by a competent person.	
D. Structural ramps used for equipment designed by a registered professional engineer (RPE)	
E. Ramps constructed of materials of uniform thickness, cleated together on the bottom, equipped with no-slip surface.	
F. Employees protected from cave-ins when entering or exiting the excavation.	

4. Wet Conditions:	
A. Precautions take to protect employees from the accumulation of water.	
B. Water removal equipment monitored by a competent person.	
C. Surface water or runoff diverted or controlled to prevent accumulation in the excavation.	
D. Inspections made after every rainstorm or other hazard-increasing occurrence.	
5. Hazardous Atmosphere:	
A. Atmosphere within the excavation tested where there is a reasonable possibility of an oxygen deficiency, combustible or other harmful contaminant exposing employees to a hazard.	
B. Adequate precautions taken to protect employees from exposure to an atmosphere containing less than 19.5% oxygen and/or to other hazardous atmospheres	
C. Ventilation provided to prevent employee exposure to an atmosphere containing flammable gas in excess of 10% of the lower explosive limit of the gas.	
D. Testing conducted often to ensure that the atmosphere remains safe.	
E. Emergency equipment, such as breathing apparatus, safety harness and lifeline, and/or basket stretcher readily available where hazardous atmospheres could or do exist.	
F. Employees trained to use personal protective and other rescue equipment.	
G. Safety harness and lifeline used and individually attended when entering bell bottom or other deep confined excavations.	
6. Support Systems:	
A. Materials and/or equipment for support systems selected based on soil analysis, trench depth, and expected loads.	
B. Materials and equipment used for protective systems inspected and in good condition.	
C. Materials and equipment not in good condition have been removed from service.	
D. Damaged materials and equipment used for protective systems inspected by a registered professional engineer (RPE) after repairs and before being placed back into service.	
E. Protective systems installed without exposing employees to the hazards of cave-ins, collapses, or threat of being struck by materials or equipment.	
F. Members of support system securely fastened to prevent failure.	
G. Support systems provided in ensure stability of adjacent structures, buildings, roadways, sidewalks, walls, etc.	
H. Excavations below the level of the base or footing supported, approved by an RPE.	
I. Removal of support systems progresses from the bottom and members are released lowly as to note any indication of possible failure.	
J. Backfilling progresses with removal of support system.	
K. Excavation of material to a level no greater than two feet below the bottom of the support system and only if the system is designed to support the loads calculated for the full depth.	
L. Shield system placed to prevent lateral movement.	
M. Employees are prohibited from remaining in shield system during vertical movement.	

DAILY TRENCHING LOG

DATE:	SIGNATURE:
WEATHER:	PROJECT:

Was One Call System contacted: Yes _____ No _____

Protective system: Trench shield (box) _____ Wood shoring _____
Sloping _____ Other _____

Purpose of trenching: Drainage _____ Water _____
Sewer _____ Gas _____
Other _____

Were visual soil tests made: Yes_____ No _____
If yes, what type?

Type of Soil: Stable Rock _____ Type A _____ Type B _____ Type C _____

Surface encumbrances: Yes _____ No _____
If yes, what type?

Water conditions: Wet _____ Dry _____ Submerged _____

Hazardous atmosphere exists: Yes _____ No _____
(If yes, follow confined space entry procedures policy; complete confined Space Entry Permit; monitor for toxic gas(es))

Is trenching or excavation exposed to public vehicular traffic (exhaust emission): Yes _____ No _____
(If yes, refer to confined space entry procedures; complete Confined Space Entry Permit; monitor for toxic gas(es))

Measurements of trench: Depth _____ Length _____ Width _____

Is ladder within 25 feet of all workers: Yes _____ No _____

Is excavated material stored two feet or more from edge of excavation: Yes _____ No_____

Are employees exposed to public vehicular traffic: Yes _____ No_____
(If yes, warning vests required)

Are other utilities protected: Yes _____ No _____
(Water, sewer, gas or other structures)

Are sewer or natural gas lines exposed: Yes _____ No _____

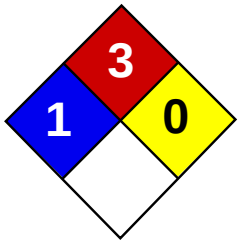
Periodic Inspection: Yes _____ No _____

Did employees receive training in excavating: Yes _____ No _____

Corrective Actions and Remarks:

Appendix B
Material Safety Data Sheets for Preservatives and Decontamination Products





Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Acetone MSDS

Section 1: Chemical Product and Company Identification

Product Name: Acetone

Catalog Codes: SLA3502, SLA1645, SLA3151, SLA3808

CAS#: 67-64-1

RTECS: AL3150000

TSCA: TSCA 8(b) inventory: Acetone

CI#: Not applicable.

Synonym: 2-propanone; Dimethyl Ketone; Dimethylformaldehyde; Pyroacetic Acid

Chemical Name: Acetone

Chemical Formula: C3-H6-O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Acetone	67-64-1	100

Toxicological Data on Ingredients: Acetone: ORAL (LD50): Acute: 5800 mg/kg [Rat]. 3000 mg/kg [Mouse]. 5340 mg/kg [Rabbit]. VAPOR (LC50): Acute: 50100 mg/m 8 hours [Rat]. 44000 mg/m 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. The substance is toxic to central nervous system (CNS). The substance may be toxic to kidneys, the reproductive system, liver, skin. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 465°C (869°F)

Flash Points: CLOSED CUP: -20°C (-4°F). OPEN CUP: -9°C (15.8°F) (Cleveland).

Flammable Limits: LOWER: 2.6% UPPER: 12.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Vapor may travel considerable distance to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Forms explosive mixtures with hydrogen peroxide, acetic acid, nitric acid, nitric acid + sulfuric acid, chromic anydride, chromyl chloride, nitrosyl chloride, hexachloromelamine, nitrosyl perchlorate, nitryl perchlorate, permonosulfuric acid, thiodiglycol + hydrogen peroxide, potassium ter-butoxide, sulfur dichloride, 1-methyl-1,3-butadiene, bromoform, carbon, air, chloroform, thitriazylperchlorate.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis.

Storage:
Store in a segregated and approved area (flammables area) . Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Keep away from direct sunlight and heat and avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 500 STEL: 750 (ppm) from ACGIH (TLV) [United States] TWA: 750 STEL: 1000 (ppm) from OSHA (PEL) [United States] TWA: 500 STEL: 1000 [Austalia] TWA: 1185 STEL: 2375 (mg/m3) [Australia] TWA: 750 STEL: 1500 (ppm) [United Kingdom (UK)] TWA: 1810 STEL: 3620 (mg/m3) [United Kingdom (UK)] TWA: 1800 STEL: 2400 from OSHA (PEL) [United States]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Fruity. Mint-like. Fragrant. Ethereal

Taste: Pungent, Sweetish

Molecular Weight: 58.08 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 56.2°C (133.2°F)

Melting Point: -95.35 (-139.6°F)

Critical Temperature: 235°C (455°F)

Specific Gravity: 0.79 (Water = 1)

Vapor Pressure: 24 kPa (@ 20°C)

Vapor Density: 2 (Air = 1)

Volatility: Not available.

Odor Threshold: 62 ppm

Water/Oil Dist. Coeff.: The product is more soluble in water; log(oil/water) = -0.2

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, ignition sources, exposure to moisture, air, or water, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 3000 mg/kg [Mouse]. Acute toxicity of the vapor (LC50): 44000 mg/m3 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. Causes damage to the following organs: central nervous system (CNS). May cause damage to the following organs: kidneys, the reproductive system, liver, skin.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May affect genetic material (mutagenicity) based on studies with yeast (S. cerevisiae), bacteria, and hamster fibroblast cells. May cause reproductive effects (fertility) based upon animal studies. May contain trace amounts of benzene and formaldehyde which may cancer and birth defects. Human: passes the placental barrier.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. May be harmful if absorbed through the skin. Eyes: Causes eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Inhalation: Inhalation at high concentrations affects the sense organs, brain and causes respiratory tract irritation. It also may affect the Central Nervous System (behavior) characterized by dizziness, drowsiness, confusion, headache, muscle weakeness, and possibly motor incoordination, speech abnormalities, narcotic effects and coma. Inhalation may also affect the gastrointestinal tract (nausea, vomiting). Ingestion: May cause irritation of the digestive (gastrointestinal) tract (nausea, vomiting). It may also

affect the Central Nevous System (behavior), characterized by depression, fatigue, excitement, stupor, coma, headache, altered sleep time, ataxia, tremors as well at the blood, liver, and urinary system (kidney, bladder, ureter) and endocrine system. May also have musculoskeletal effects. Chronic Potential Health Effects: Skin: May cause dermatitis. Eyes: Eye irritation.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 5540 mg/l 96 hours [Trout]. 8300 mg/l 96 hours [Bluegill]. 7500 mg/l 96 hours [Fatthead Minnow]. 0.1 ppm any hours [Water flea].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Acetone UNNA: 1090 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Benzene California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Benzene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Benzene, Formaldehyde Connecticut hazardous material survey.: Acetone Illinois toxic substances disclosure to employee act: Acetone Illinois chemical safety act: Acetone New York release reporting list: Acetone Rhode Island RTK hazardous substances: Acetone Pennsylvania RTK: Acetone Florida: Acetone Minnesota: Acetone Massachusetts RTK: Acetone Massachusetts spill list: Acetone New Jersey: Acetone New Jersey spill list: Acetone Louisiana spill reporting: Acetone California List of Hazardous Substances (8 CCR 339): Acetone TSCA 8(b) inventory: Acetone TSCA 4(a) final test rules: Acetone TSCA 8(a) IUR: Acetone

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R11- Highly flammable. R36- Irritating to eyes. S9- Keep container in a well-ventilated place. S16- Keep away from sources of ignition - No smoking. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Material safety data sheet issued by: la Commission de la SantÃ© et de la SÃ©curitÃ© du Travail du QuÃ©bec. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. LOLI, RTECS, HSDB databases. Other MSDSs

Other Special Considerations: Not available.

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Last Updated: 05/21/2013 12:00 PM

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Appendix C
Glove Selection Guideline

GLOVE SELECTION GUIDELINE

HAZARD	EXAMPLE TASKS	ANSI CUT/ABRASION RATING*	REPRESENTATIVE GLOVE
Impact Hazards, Med/Heavy Duty Puncture Cut	Drilling/direct push activities. Construction. Heavy materials handling. Power tools. Air knifing. Excavation.	ANSI Cut and Abrasion Resistance **Level 5** **EN 388 4521**	Hexarmor®Chrome Hexarmor® GGT5 Hexarmor® L5 Hexarmor® SteelLeather III Ironclad® Kong Glove
Med/Heavy Duty Puncture Cut Oil/Solvent Resistant	Tasks where materials are treated with oil or solvents.	ANSI Cut and Abrasion Resistance **Level 3 - 4** **EN 388 4522**	Ansell Alpha-Tec ® Memphis® Ultra Tech Nitrile Cut & Splash Best® Neoprene 6780 Hexarmor™ TenX Threesixty
Medium Duty Cut/Puncture Gloves with Oily Surface Grip	Light materials handling, wet service	ANSI Cut and Abrasion Resistance **Level 3** **EN 388 44xx**	Best®Zorb-It Ultimate HV 4567 Ansell® Cut Protective Glove 97-505 Ansell HyFlex® 11-511 Ansell HyFlex® 11-624
Med/Heavy Duty Cut/Puncture	Light Materials Handling. System O&M. Use of Hand Tools. Hand Augering. Heavy Equipment Operator.	ANSI Cut and Abrasion Resistance **Level 2** **EN 388 33xx**	Perfect Fit® PF570 Hexarmor® Level Six 9010/9012 Ironclad® Cut Resistant Glove Ansell HyFlex® 11-511 Ansell HyFlex® 11-624 Ansell® Cut Protective Glove 97-505
Light Duty Cut/Puncture Abrasion Only	Handling soil and Groundwater Samples. Opening spoons. Well construction.	ANSI Cut and Abrasion Resistance **Level 2 - 4** **EN 388 21xx**	Memphis® Ninja Max N9676GL Memphis® UltraTech Dyneema 9676 Memphis® Ninja Ice (Cold Weather) Ansell HyFlex® 11-511 Ansell® Cut Protective Glove 97-505 Ansell® Powerflex 80-813 Ironclad™ Workforce
Light Duty Glove Cut/Abrasion (used under nitrile gloves)	Groundwater Sampling.	ANSI Cut and Abrasion Resistance **Level 2** **EN 388 21xx**	Ansell HyFlex® 11-500 Ansell HyFlex® 11-624 Ansell GoldKnit
* Reference to ANSI and EN 388 glove testing standards. Listed gloves meet the standards in the table, but are not the only gloves that meet the standard.			
This selection chart is not intended to address all chemical hazards. Gloves used for chemical protection shall provide cut/puncture resistance, or be used in tandem with cut/puncture protection. Nitrile gloves used for environmental sampling must be used in tandem with a cut/puncture resistant glove.			
Gloves available in high visibility colors have shown to be effective and are preferred.			

Appendix D
Heat & Cold Stress

COLD STRESS

Ambient air temperatures during site activities may create cold stress for on-site workers. Procedures for recognizing and avoiding cold stress must be followed. Cold stress can range from frostbite to hypothermia. The signs and symptoms of cold stress are listed below.

Frostbite is defined as the actual freezing of one or more layers of skin. In severe cases, organs and structures below the skin can become frozen. Usually, body areas exposed to the most cold, and least body warmth, are affected first. These areas include fingers, toes, ears, and the tip of your nose. Frostbite is characterized by pain and loss of dexterity in the affected limb. The tissue initially appears reddened, but may progress to white, blue, or black.

> **FIRST AID:** Bring the affected employee indoors and call the local emergency clinic. Rewarming of frostbitten parts is best left to a medical doctor in a controlled setting.

Hypothermia is the condition that occurs when the body's natural warming mechanisms (muscle activity and shivering) cannot counteract the loss of body heat to the environment. The onset of hypothermia is greatly hastened by being wet. Hypothermia is marked by severe, uncontrollable shivering. The patient will show signs of excessive fatigue, drowsiness, irritability, or euphoria. As hypothermia progresses, the patient will begin to lose consciousness, blood pressure will drop, shivering will cease, and the patient may slip into a coma and possibly die.

> **FIRST AID:** If these symptoms occur, remove the patient to a warm, dry place. If clothing is wet, remove and replace with dry clothing. Keep the patient warm, but not overheated. The patient should be gradually rewarmed to prevent shock. If the patient is conscious and alert, warm liquids should be provided. Coffee and other caffeinated liquids should be avoided because of diuretic and circulatory effects. Notify the emergency clinic if conditions worsen, the patient loses consciousness, or the patient has an altered mental status. Have the patient transported to an emergency facility.

General Precautions. The reduction of adverse health effects from cold exposure can be achieved by adopting the following work practices.

- Provide adequate insulating clothing to maintain core temperature at 98.6° F if work is to be performed in air temperatures below 40° F. Wind chill cooling rates and the cooling power of air are critical factors. The higher the wind speed and the lower the air temperature in the work area, the greater the insulation value of the protective clothing should be.
- If the air temperature is 32° F or less, hands should be protected by mittens/gloves.
- If only light work is involved and if the clothing on the worker may become wet on the job site, the outer layer of clothing should be impermeable to water. With more severe work under such conditions, the outer layer should be water repellent, and the outer layer should be changed as it becomes wet. The outer garments should include provisions for easy ventilation in order to prevent wetting of the inner layer by sweat.
- If available clothing does not give adequate protection to prevent cold injury, work should be modified or suspended until adequate clothing is available, or until weather conditions improve.
- For prolonged work, heated shelters should be available. Workers should be encouraged to use these at regular intervals, with the frequency depending on the severity of the environmental exposure. When entering the shelter, the outer layer of clothing should be removed and the remainder of the clothing loosened to permit heat evaporation, or a change of work clothing should be provided.

- Warm, sweet drinks, such as hot cocoa or soup, should be available at the work site to provide caloric intake and fluid volume. The intake of coffee should be limited because of diuretic and circulatory effects.
- The weight and bulk of cold-weather gear should be included in estimating the required work performance and weights to be lifted in the field.

Workers should be instructed in safety and health procedures regarding cold work environments as part of the pre-work safety meeting. The training program should include instruction in preventing, recognizing, and treating cold stress conditions.

Wind Chill Chart

Wind (mph) \ Temperature (°F)	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
45	26	29	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98

Frostbite Times: 30 minutes; 10 minutes; 5 minutes

$$\text{Wind Chill (°F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

Where, T= Air Temperature (°F) V= Wind Speed (mph) *Effective 11/01/01*

HEAT STRESS

There is a potential for heat stress from the use of protective clothing and climate conditions. One or more of the following procedures may be employed to alleviate potential heat stress problems in the event that site conditions warrant the use of personal protective equipment (PPE), or ambient temperatures exceed 85° F. Heat stress training must be emphasized during the daily safety meetings, and adequate supplies of potable water must be provided to workers each day.

General Precautions. Provide plenty of liquids. To replace body fluids (water and electrolytes) lost because of sweating, use a 0.1 percent saltwater solution, more heavily salted foods, or commercial drink mixes. The commercial mixes may be preferable for those employees on a low sodium diet. Employees on low sodium diets, or other special diets, are advised to contact their personal physician for recommendations regarding appropriate electrolyte replacement fluids/beverages.

In extremely hot weather, conduct operations in early morning or evening and rotate shifts of workers wearing impervious clothing. Install mobile showers and/or hose-down facilities to reduce body temperature and cool protective clothing.

Ensure that adequate shelter is available for breaks to protect personnel against heat, which can decrease physical efficiency and increase the probability of accidents.

Acclimatization for workers not accustomed to working in elevated temperature environments will be considered and implemented as appropriate in accordance with American Conference of Governmental and Industrial Hygienists (ACGIH) Guidelines.

Heat Stress Monitoring.

For monitoring the body's recuperative ability toward excess heat, one or more of the following techniques should be used as a screening mechanism. Monitoring of personnel wearing impervious clothing should commence when the ambient temperature is 70° F or above. Frequency of monitoring should increase as the ambient temperature increases or as slow recovery rates are indicated. When temperatures exceed 80° F, regardless of the use of Personal Protective Equipment (PPE), workers will be monitored for heat stress after every work period.

Good hygienic standards must be maintained by the employee to aid in the prevention of heat stress illnesses. At a minimum, frequent changes of clothing and daily showering should occur with clothing being allowed to dry during rest periods. Persons who notice skin problems should immediately inform their supervisor.

Heart rate (HR) should be measured by the radial pulse for 30 seconds as early as possible in the resting period. The HR at the beginning of the rest period should not exceed 110 beats/minute. If the HR is higher, the next work period should be shortened by 25 percent. The HR is then measured again, once each minute for 2 minutes (a total of three measurements), after the initial rest period measurement. The HR should decrease by ten beats per minute between each measurement (a total reduction of 20 beats). If the HR does not decrease, the work period should be reduced by an additional 25 percent.

Body temperature can be measured orally with a clinical thermometer as early as possible in the resting period. Oral temperature (OT) at the beginning of the rest period should not exceed 99°F. If it is greater than 99°F, the next work period should be shortened by 25 percent. The OT should be measured again at the end of the rest period to make sure that it has dropped below 99° F.

Effects of Heat Street

If the body's physiological processes fail to maintain a normal body temperature because of excessive heat loading, a number of physical reactions can occur. The severity of these reactions ranges from mild (such as fatigue, irritability, anxiety, and decreased concentration, dexterity, or movement) to severe (fatal).

Heat-related illnesses include:

Heat rash (also known as prickly heat rash) is caused by continuous exposure to heat and humid air and aggravated by chafing clothes. Heat rash decreases the ability to tolerate heat as well as being a nuisance. Signs are not limited to, but may include, a red prickly rash.

FIRST AID: Employees exhibiting signs of heat rash will be directed to shower and change into clean, dry clothing.

Heat cramps are caused by profuse perspiration with inadequate fluid intake and electrolyte replacement (especially salts). Signs are muscle spasms and pain in the extremities and abdomen, and may occur several hours after work has stopped.

FIRST AID: Employees showing signs of heat cramps will be directed to lie in a cool, shady area, and drink cool fluids. If symptoms persist or worsen, the employee will be transported to an emergency facility.

Heat exhaustion is caused by increased stress on various organs to meet increased demands to cool the body. Signs are shallow breathing; pale, cool, moist skin; profuse sweating; dizziness and lassitude.

FIRST AID: Employees with signs of heat exhaustion will be brought to a cool, shady location and given fluids. After recovering, the employee will be dismissed for the day. If employee is unconscious, or conditions persist, the employee will be transported to a hospital.

Heat stroke is the most severe form of heat stress. The body must be cooled immediately to prevent severe injury and/or death. Signs and symptoms are red, hot, dry skin; no perspiration; nausea; dizziness and confusion; strong, rapid pulse; and/or coma.

FIRST AID: HEAT STROKE IS A MEDICAL EMERGENCY. Employees will be brought to a cool area, aggressively treated by removing constricting clothes and applying wet towels or ice packs, and transported without delay to an emergency facility.

Appendix E
OSHA Fact Sheet
Working Safely Around Downed Electrical Wires

Table B-1

OCCUPATIONAL HEALTH GUIDELINES AND TOXICOLOGICAL INFORMATION
Gasoline Constituents

Contaminant	ACGIH TLV-TWA (ppm)	NIOSH REL (ppm)	OSHA PEL (ppm)	CAL-OSHA PEL (ppm)	STEL (ppm)	IDLH (ppm)	Routes of Exposure	Known or Suspected Carcinogen	Symptoms
Diesel	100 mg/m^3 (~22.2 ppmv based on MW of 110) (vapor and aerosol)	~ 60-98 (based on stoddard solvent surrogate)	500 (based on stoddard solvent surrogate)	n/a	250-500 (NIOSH ceiling)	Approx. 3000-5600	Inhalation, Ingestion, Contact	Yes (ACGIH A3)	Irritation to eyes, skin, mucous membrane; dermatitis, headache, fatigue, blurred vision, dizziness, slurred speech, confusion, convulsions, aspiration, weakness, restlessness, incoordination
Gasoline	300	n/a	n/a	300	500 (ACGIH)	n/a	Inhalation, Absorption, Ingestion, Contact	Yes (ACGIH A3)	Irritation to eyes, skin, mucous membrane; dermatitis, headache, fatigue, blurred vision, dizziness, slurred speech, confusion, convulsions, aspiration
Benzene	0.5	0.1	1	1	1 (NIOSH)	500	Inhalation, Absorption, Ingestion, Contact	Yes (ACGIH A1)	Irritation to eyes, skin, nose, resp system, giddiness, headache, nausea, staggered gait, fatigue, anorexia, weakness/exhaustion, dermatitis
Toluene	50	100	200	50	150 (NIOSH)	500	Inhalation, Absorption, Ingestion, Contact	No (ACGIH A4)	Irritation to eyes, nose; fatigue, weakness, confusion, euphoria, dizziness, headache, dilated pupils, tears, nervousness, muscle fatigue, insomnia, dermatitis
Ethylbenzene	100	100	100	100	125 (NIOSH& ACGIH)	800	Inhalation, Ingestion, Contact	Yes (ACGIH A3)	Irritation to eyes, skin, mucous membranes; headache, dermatitis, narcosis, coma
Xylenes (o,m,p,)	100	100	100	100	150 (NIOSH & ACGIH)	900	Inhalation, Absorption, Ingestion, Contact	No (ACGIH A4)	Irritation to eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination,staggering gait, nausea, vomiting, abdominal pain, dermatitis
Methyl tert butyl ether (MTBE)	50	n/a	n/a	40	n/a	n/a	Inhalation, Ingestion, Contact	Yes (ACGIH A3)	Headaches, nausea, dizziness, irritation of the nose or throat, and feelings of spaciness or confusion.

TABLE KEY

ACGIH TLV-TWA	American Conference of Governmental Industrial Hygienists, Threshold Limit Value-Time Weighted Average
NIOSH REL	National Institute of Occupational Safety & Health, Recommended Exposure Limit
STEL	Short Term Exposure Limit (Gasoline STEL is by ACGIH; BTEX STELs are by NIOSH)
OSHA PEL	Occupational Safety and Health Administration, Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health
ppm	parts per million
CNS	Central Nervous System
n/a	not available (i.e., no value has been established)

DEFINITIONS

Threshold Limit Value: Threshold limit values (TLVs) refer to airborne concentrations of substances and represent conditions under which it is believed nearly all workers may be repeatedly exposed, day after day, without adverse health effects.

Threshold Limit Value - Time Weighted Average: The time weighted average (TWA) is a concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect. TLV-TWAs are established by the ACGIH.

Recommended Exposure Limit: Unless otherwise noted, the recommended exposure limit (REL) is a TWA concentration for up to a 10-hour workday during a 40-hour workweek. RELs are established by NIOSH to reduce or eliminate adverse occupational health effects.

Short Term Exposure Limit: A short term exposure limit (STEL) is defined as a 15-minute TWA exposure that should not be exceeded at any time during a workday. When compared to the REL (or TLV-TWA for ACGIH standards), the STEL allows the worker to be exposed to a higher concentration, BUT for a shorter period of time. Exposures above the REL up to the STEL should not be longer than 15 minutes and should not occur more than four times per day.

Permissible Exposure Limit: Permissible exposure limits (PELs) are TWA concentrations that must not be exceeded during any 8-hour work shift of a 40-hour workweek. PELs are established by OSHA (29 CFR 1910.1000).

Immediately Dangerous to Life and Health: Immediately dangerous to life and health (IDLH) values are established as concentrations from which a worker can escape within 30 minutes without suffering loss of life, irreversible health effects, or other deleterious effects that could prevent him/her from escaping the hazardous environment. The purpose of establishing an IDLH exposure concentration is to ensure that workers can escape from a given contaminated environment in the event of failure of respiratory protection equipment.

Known or Suspected Carcinogen Classification: ACGIH categories for carcinogenicity classification:

A1 – Confirmed Human Carcinogen – The agent is carcinogenic to humans based on the weight of evidence from epidemiologic studies.

A2 – Suspected Human Carcinogen – Human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen; OR the agent is carcinogenic in experimental animals at dose(s), by route(s) of exposure, at site(s), of histologic type(s), or by mechanism(s) considered relevant to worker exposure. The A2 is used primarily when there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals with relevance to humans.

A3 – Confirmed Animal Carcinogen with Unknown Relevance to Humans – The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to human exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available

evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

A4 – Not Classifiable as a Human Carcinogen – Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories.

A5 – Not Suspected as a Human Carcinogen – The agent is not suspected to be a human carcinogen on the basis of properly conducted epidemiologic studies in humans. These studies have sufficiently long follow-up, reliable exposure histories, sufficiently high dose, or adequate statistical power to conclude that exposure to the agent does not convey a significant risk of cancer to humans; OR evidence suggesting a lack of carcingenicity in experimental animals is supported by mechanistic data.

Table

OCCUPATIONAL HEALTH GUIDELINES AND TOXICOLOGICAL INFORMATION

Contaminant	ACGIH TLV-TWA (ppm)	NIOSH REL (ppm)	OSHA PEL (ppm)	CAL-OSHA PEL (ppm)	STEL (ppm)	IDLH (ppm)	Routes of Exposure
Benzene C_6H_6	71-43-2	REL: 0.1 ppm PEL: 1 ppm STEL: 5 ppm TLV=0.5	500 ppm	YES	Inhalation, absorption, ingestion, and contact	(FP) 12° F (VP) 75 mm (IP) 9.25 eV	**ACUTE:** Irritation to eyes, nose, respiratory system; giddy, headache; nausea; staggered gait; fatigue; abdominal pain **CHRONIC**: Causes anorexia, lassitude, dermatitis, and Leukemia
Carbon Disulfide CS_2	75-15-0	REL: 1 ppm PEL: 20 ppm Ceiling: 30 ppm TLV=10	500ppm	N/A	Inhalation and contact	(FP) 22° F (VP) 300 mm (IP) 10.06 eV	**ACUTE**: Dizziness, headache, fatigue, nervousness
1,1 Dichloroethane $CHCl_2CH_3$	75-34-3	REL: 100 ppm PEL: 100 ppm STEL: NA	3,000 ppm	N/A	Inhalation, contact and ingestion	(FP) 22 ^{o} F (VP) 230 mm (IP) 11.06	**ACUTE**: Central nervous system depression, irritation of upper respiratory tract and skin **CHRONIC**: Liver and kidney damage
1,2 Dichloroethene HClC=CHCl	107-06-2	REL: 200 ppm PEL: 200 ppm STEL: NA	1,000 ppm	N/A	Inhalation, contact and ingestion	(FP) 36 – 39° F (VP) 180-265 mm (IP) 9.65 eV	**ACUTE**: Inhalation causes nausea, vomiting, weakness, tremor, intestinal cramps, central nervous depression. Liquid causes irritation of eyes and skin. Ingestion causes slight depression to deep narcosis.
Ethylbenzene $CH_3CH_2C_6H_5$	100-41-4	REL: 100 ppm PEL: 100 ppm STEL: 125 ppm	800 ppm	N/A	Inhalation, contact, and ingestion	(FP) 59° F (VP) 7.1 mm (IP) 8.76 eV	**ACUTE**: causes irritation of the eyes, mucous membranes, headaches, dermatitis, narcosis, and coma.
Hydrogen Sulfide H_2S	7783-06-4	Ceiling: 10 ppm TLV=5	100 ppm	N/A	Inhalation and contact	(FP) NA (VP) 20 atm (IP) 10.43 eV	**ACUTE**: Olfactory fatigue, apnea, dizziness, headache, irritation of the eyes, convulsions, coma

Table

OCCUPATIONAL HEALTH GUIDELINES AND TOXICOLOGICAL INFORMATION

Tetrachloroethylene $Cl_2C=CCl_2$	127-18-4	REL: Ca PEL: 100 ppm Ceiling: 200 ppm TLV=25	150 ppm	YES	Inhalation, absorption and , ingestion	(FP) NE (VP) 14 mm (IP) 9.32 eV	**ACUTE**: Vapors can effect central nervous system and cause anesthesia. Liquid may irritate skin after prolonged contact **CHRONIC**: Liver/kidney damage
Toluene $C_6H_5CH_3$ (o;m;p-isomers)	108-88-3	REL: 100 ppm PEL: 200 ppm STEL: 150 ppm TLV=50	500 ppm	N/A	Inhalation, ingestion, and contact	(FP) 40° F (VP) 22 mm (IP) 8.82 eV	**ACUTE**: Fatigue, weakness, confusion, euphoria, dizziness; headache; dilated pupils, nervousness, muscle fatigue; insomnia, dermatitis, photophobia, pubmonary edema
Trichloroethene $Cl_2C=CHCl$	79-01-6	REL: Ca PEL: 100 ppm Ceiling: 200 ppm TLV=50	1,000 ppm	N/A	Inhalation, absorption, and ingestion	(FP) 90° F (VP) 50 mm (IP) 9.47 eV	**ACUTE**: Causes irritation of eyes, nose, throat, nausea, blurred vision. Defatting of the skin may cause dermatitis **CHRONIC**: Final disturbance of central nervous system resulting in cardiac failure, damage to the liver and kidneys.
1,1,1 Trichloroethane CCl_3CH_3	71-55-6	REL: NA PEL: 350 ppm	700 ppm	N/A	Inhalation, absorption and ingestion	(FP) NA (VP) 100 mm (IP) 11.0 eV	**ACUTE**: Loss in equilibrium to loss of consciousness, nausea if ingested, dermatitis of skin and slightly irritation to the eyes. **CHRONIC**: Irritation of the skin
Vinyl Chloride $CH_2=CHCl$	75-01-4	REL: Ca PEL: 1 ppm Ceiling: 5 ppm	NE	YES	Inhalation	(FP) 108° F (VP) 2580 mm (IP) 9.95 eV	**ACUTE**: Weakness, abdominal pain, and gastrointestinal bleeding **CHRONIC**: Bone Degeneration in fingers; jaundice; tingling sensation in hands and feet, and angiosarcoma of liver
Xylene $C_6H_4(CH_3)_2$ (o;m;p-isomers)	1330-20-7	REL: 100 ppm PEL: 100 ppm STEL: 150 ppm	900 ppm	N/A	Inhalation, ingestion and contact	(FP) 90/84/8° F (VP) 7/9/9 mm (IP) 8.56/8.56/8.44 eV	**ACUTE**: Dizziness, excitement, drowsiness, incoordination, staggering, irritation of the eyes, nose, throat; corneal vacuolation; anorexia, nausea, vomiting, abdominal pain, dermatitis.

Table

OCCUPATIONAL HEALTH GUIDELINES AND TOXICOLOGICAL INFORMATION

Stoddard Solvent	8052-41-3	REL: 350 ppm PEL: 500 ppm Ceiling: 1800 ppm	20,000 ppm	N/A	Inhalation, ingestion and contact	(FP) 102-110° F (VP) N/A (IP) N/A	**ACUTE**: Irritation to eyes, nose, throat; dizziness; dermatitis; chemical pneumonia. **CHRONIC**: Kidney damage in animals
Gasoline	8006-61-9	REL: Ca PEL: NA	NE	YES	Inhalation, absorption, ingestion and contact	(FP) 45° F (VP) 38-300 mm (IP) N/A	**ACUTE**: Eye mucous membrane, and skin irritation; dermatis; headache, fatigue, blurred vision, dizziness, confusion, slurred speech, chemical pneumonia. **CHRONIC**: possible liver and kidney damage

Notes:

N/A	Not Available
TWA	Time Weighted Average
STEL	Short Term Exposure Limit, do not exceed for more than 15 minutes
IP	Ionization Potential, in eV
IDLH	Immediately Dangerous to Life or Health

References:

1. Code of Federal Regulations, Title 29, 1910.1000
2. National Institute for Occupation Safety and Health, 1997 Pocket Guide to Chemical Hazards, DHHS (NIOSH) Publication

Ca	Possible Carcinogen, keep exposure as low as possible
FP	Flash Point
VP	Vapor Pressure
Ceiling	Ceiling Limit, not to be exceeded
REL	Recommended Exposure Level (NIOSH)
TLV	AGIH Threshold Limit Values

Appendix F
Excavation Hazard Recognition Guide (Trenching/Shoring), Site Assessment Questions, and Related Guidance

Excavations

OSHA 2226
2002 (Revised)



OSHA
Occupational
Safety and Health
Administration

U.S. Department of Labor

Excavations

U.S. Department of Labor
Elaine L. Chao, Secretary

Occupational Safety and Health Administration
John L. Henshaw, Assistant Secretary

OSHA 2226
2002 (Revised)

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Introduction

Excavation and trenching are among the most hazardous construction operations. The Occupational Safety and Health Administration's (OSHA) Excavation and Trenching standard, *Title 29 of the Code of Federal Regulation* (*CFR*), Part 1926.650, covers requirements for excavation and trenching operations. This booklet highlights key elements of the standard, shows ways to protect employees against cave-ins, and describes safe work practices for employees.

What is the difference between an excavation and a trench?

OSHA defines an excavation as any man-made cut, cavity, trench, or depression in the earth's surface formed by earth removal. This can include excavations for anything from cellars to highways. A trench is defined as a narrow underground excavation that is deeper than it is wide, and no wider than 15 feet (4.5 meters).

What are the dangers of trenching and excavation operations?

Trenching and excavation work presents serious hazards to all workers involved. Cave-ins pose the greatest risk and are much more likely than other excavation-related accidents to result in worker fatalities. Other potential hazards include falls, falling loads, hazardous atmospheres, and incidents involving mobile equipment.

OSHA's Excavation and Trenching Standard

What does the OSHA standard cover, and what protections does it offer?

The rule applies to all open excavations made in the earth's surface, including trenches. Strict compliance with all sections of the standard will prevent or greatly reduce the risk of cave-ins as well as other excavation-related accidents.

What kinds of excavations and trenches are not covered?

The standard does not apply to house foundation/ basement excavations, including those that become trenches by definition when constructing formwork, foundations, or walls. For this exemption to apply, all the following conditions must exist:

- The excavation is less than 7-1/2 feet (2.5 meters) deep or is benched for at least 2 feet (.61 meters) horizontally for every 5 feet (1.52 meters) or less of vertical height;
- The bottom of the excavation, from the excavation face to the formwork or wall, is at least 2 feet (.61 meters) wide, and wider if possible;
- No water, surface tension cracks, or other environmental conditions reduce the excavation's stability;
- No heavy equipment is vibrating the excavation while employees are in it;

- Soil, equipment, and material surcharge loads are no closer to the top edge of the excavation than the excavation is deep. When you use front-end loaders to dig the excavations, place the soil surcharge load as far back from the edge of the excavation as possible, but never closer than 2 feet (.61 meters);
- The fewest crew members possible are performing the work; and
- Workers spend the minimum time possible in the excavation.

This exemption does not apply to utility excavations or trenches, which are covered by *29 CFR* 1926.652.

Preplanning

Why is it important to preplan the excavation work?

No matter how many trenching, shoring, and backfilling jobs you have done in the past, it is important to approach each new job with the utmost care and preparation. Many on-the-job accidents result directly from inadequate initial planning. Waiting until after the work has started to correct mistakes in shoring or sloping slows down the operation, adds to the cost, and increases the possibility of a cave-in or other excavation failure.

What safety factors should you consider when bidding on a job?

Before preparing a bid, you will want to know as much as possible about the jobsite and the materials you will need to have on hand to perform the work safely and in compliance with OSHA standards. A safety checklist may prove helpful when you consider specific site conditions such as the following:

- Traffic,
- Proximity and physical conditions of nearby structures,
- Soil,
- Surface and ground water,
- Location of the water table,
- Overhead and underground utilities, and
- Weather.

You can determine these and other conditions through jobsite studies, observations, test borings for soil type or conditions, and consultations with local officials and utility companies. This information will help you determine the amount, kind, and cost of safety equipment you will need to perform the work in the safest manner possible.

How can you avoid hitting underground utility lines and pipes during excavation work?

Before starting work, the OSHA standard requires you to do the following:

- Determine the approximate location of utility installations—sewer, telephone, fuel, electric, and water lines; or any other underground installations;
- Contact the utility companies or owners involved to inform them of the proposed work within established or customary local response times; and
- Ask the utility companies or owners to find the exact location of underground installations. If they cannot respond within 24 hours (unless the period required by state or local law is longer) or cannot find the exact location of the utility installations, you may proceed with caution.

If your excavation work exposes underground installations, OSHA regulations require you to protect, properly support, or remove them.

What should you tell workers before they start the project?

When you share the details of your safety and health program with employees, it is important to emphasize the critical role you expect them to play in keeping the jobsite safe. You may want to emphasize specific rules to help reduce the risk of on-the-job injuries. These rules may include requirements that workers

- Remove or minimize all surface obstacles at the worksite that may create a hazard,
- Wear warning vests or other reflective or high-visibility garments that you provide when they are exposed to vehicular traffic,
- Wear or use prescribed protective gear and equipment correctly,
- Operate equipment only if they have been trained properly in its use and alerted to its potential hazards, and
- Follow safe work practices.

It also is important to establish and maintain a safety and health management system for the worksite that provides adequate systematic policies, procedures, and practices to protect employees from, and allow them to recognize, job-related safety and health hazards. For more information about establishing such a system, see page 18.

Protective Systems

How can you prevent cave-ins?

OSHA requires that all excavations in which employees could potentially be exposed to cave-ins be protected by

- Sloping or benching the sides of the excavation,
- Supporting the sides of the excavation, or
- Placing a shield between the side of the excavation and the work area.

How do you choose the most appropriate protective system design?

Designing a protective system can be complex because you must consider many factors: soil classification, depth of cut, water content of soil, changes due to weather and climate, or other operations in the vicinity. You are free to choose the most practical design approach for any particular circumstance. Once you have selected an approach, however, the system must meet the required performance criteria.

The OSHA standard describes methods and approaches for designing protective systems such as the following:

Method 1 — Slope the sides to an angle not steeper than 1-1/2:1; for example, for every foot of depth, the trench must be excavated back 1-1/2 feet. All simple slope excavations 20 feet (6.11 meters) or less deep should have a maximum allowable slope of 1-1/2:1. These slopes must be excavated to form configurations similar to those for Type C soil, as described in Appendix B of the standard. A slope of this gradation or less is safe for any type of soil.

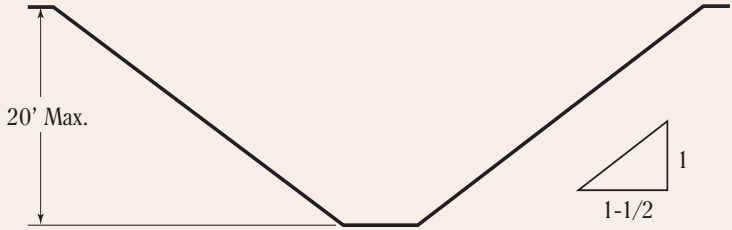


Figure 1. *Excavations Made in Type C Soil*

Method 2 — Use tabulated data such as tables and charts approved by a registered professional engineer to design the excavation. These data must be in writing and must include enough explanatory information, including the criteria for making a selection and the limits on the use of the data, for the user to make a selection. At least one copy of the data, including the identity of the registered professional engineer who approved it, must be kept at the worksite during construction of the protective system. After the system is completed, the data may be stored away from the jobsite, but a copy must be provided upon request to the Assistant Secretary of Labor for OSHA.

Method 3 — Use a trench box or shield designed or approved by a registered professional engineer or based on tabulated data prepared or approved by a registered professional engineer. Timber, aluminum, or other suitable materials may also be used. OSHA standards permit the use of a trench shield (also known as a welder's hut) if it provides the same level of protection or more than the appropriate shoring system.

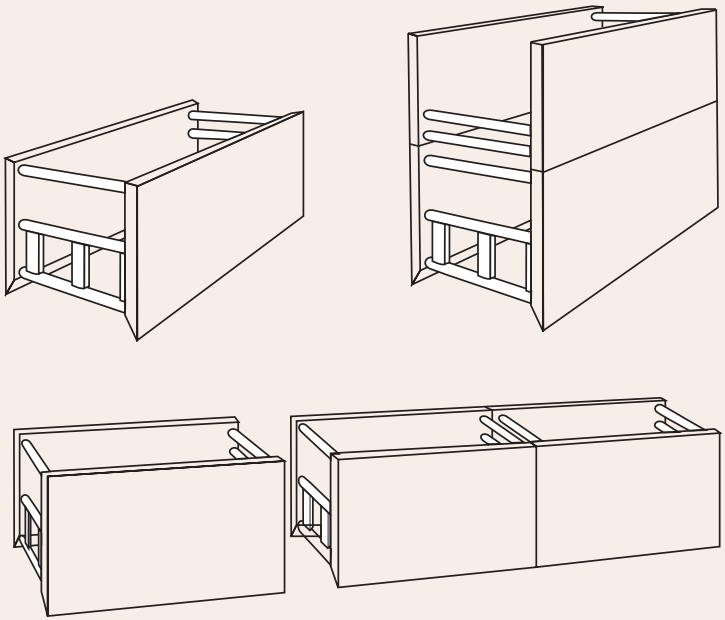


Figure 2. *Trench Shields*

Employers can choose the most practical method for the particular circumstance, but that system must meet the required performance criteria. The standard does not require a protective system when an excavation is made entirely in stable rock or is less than 5 feet (1.52 meters) deep, if a competent person has examined the ground and found no indication of a potential cave-in.

What other safety precautions are you required to take?

The standard requires you to provide support systems such as shoring, bracing, or underpinning to ensure that adjacent structures such as buildings, walls, sidewalks, or pavements remain stable. The standard also prohibits excavation below the base or footing of any foundation or retaining wall unless

- You provide a support system such as underpinning,
- The excavation is in stable rock, or
- A registered professional engineer determines that the structure is far enough away from the excavation and that excavation will not pose a hazard to employees.

Excavations under sidewalks and pavements are prohibited unless you provide an appropriately designed support system or another effective means of support.

How do you safely install and remove protective systems?

The standard requires you to take the following steps to protect employees when installing support systems:

- Connect members of support systems securely,
- Install support systems safely,
- Avoid overloading members of support systems, and
- Install other structural members to carry loads imposed on the support system when you need to remove individual members temporarily.

In addition, the standard permits excavation of 2 feet (.61 meters) or less below the bottom of the members of a

support or shield system of a trench if the system is designed to resist the forces calculated for the full depth of the trench. In addition, there must be no indications, while the trench is open, of a possible cave-in below the bottom of the support system. Also, you must coordinate the installation of support systems closely with the excavation work.

As soon as work is completed, you are required to backfill the excavation when you dismantle the protective system. After the excavation is cleared, remove the protective system from the bottom up, taking care to release members slowly.

How should you maintain materials and equipment used for protective systems?

You are responsible for maintaining materials and equipment used for protective systems. Defective and damaged materials and equipment can cause failure of a protective system and other excavation hazards.

To avoid possible failure of a protective system, you must ensure that

- Materials and equipment are free from damage or defects;
- Manufactured materials and equipment are used and maintained consistent with the manufacturer's recommendations, so as to prevent employee exposure to hazards; and while in operation,
- A competent person examines any damaged materials and equipment. You must remove unsafe materials and equipment from service until a registered professional engineer evaluates and approves them for use.

Additional Hazards and Protections

What other excavation hazards do you need to protect workers against?

In addition to cave-ins and related hazards, workers involved in excavation work also are exposed to hazards involving falls, falling loads, and mobile equipment. To protect employees from these hazards, OSHA requires you to take the following precautions:

- Keep materials or equipment that might fall or roll into an excavation at least 2 feet (.61 meters) from the edge of excavations, or use retaining devices, or both.
- Provide warning systems such as mobile equipment, barricades, hand or mechanical signals, or stop logs to alert operators to the edge of an excavation. If possible, keep the grade away from the excavation.
- Provide scaling to remove loose rock or soil, or install protective barricades and other equivalent protection to protect employees against falling rock, soil, or materials.
- Prohibit employees from working on faces of sloped or benched excavations at levels above other employees unless you provide the employees at the lower levels adequate protection from the hazard of falling, rolling, or sliding material or equipment.
- Prohibit employees from standing or working under loads being handled by lifting or digging equipment. Require workers to stand away from vehicles being loaded or unloaded to protect them from being struck by any spillage or falling materials. You may permit operators to remain inside cabs of vehicles if they provide adequate protection from falling loads during loading and unloading operations.

What is the effect of water accumulation on excavation safety?

Among the additional hazards stemming from water in an excavation are undermining the sides and making it more difficult to get out of the excavation. The OSHA standard prohibits employees from working without adequate protection in excavations where water has accumulated or is accumulating. If you use water removal equipment to control or prevent water accumulation, you must ensure that a competent person monitors the equipment and its operation to ensure proper use. OSHA standards also require the use of diversion ditches, dikes, or other suitable means to prevent surface water from entering an excavation and to provide adequate drainage of the adjacent area. In addition, a competent person must inspect excavations subject to runoffs from heavy rains.

How can you protect workers against hazardous atmospheres inside excavations?

A competent person must test any excavation deeper than 4 feet (1.22 meters) or where an oxygen deficiency or a hazardous atmosphere is present or could reasonably be expected, such as a landfill or where hazardous substances are stored nearby, before an employee enters it. If there are any hazardous conditions, you must provide the employee controls such as proper respiratory protection or ventilation. In addition, you are responsible for regularly testing all controls used to reduce atmospheric contaminants to acceptable levels.

If unhealthful atmospheric conditions exist or develop in an excavation, you must provide emergency rescue equipment such as a breathing apparatus, safety harness and line, and basket stretcher and ensure that it is readily available. This equipment must be attended when in use.

What means of access and egress are you required to provide?

OSHA requires you to provide safe access and egress to all excavations, including ladders, steps, ramps, or other safe means of exit for employees working in trench excavations 4 feet (1.22 meters) or deeper. These devices must be located in the excavation within 25 feet (7.62 meters) of all workers.

Any structural ramps you use in your operation must be designed by a competent person if they are used for employee access or egress, or by a competent person qualified in structural design if they are used for vehicles. Also, structural members used for ramps or runways must be uniform in thickness and joined in a manner to prevent tripping or displacement.

What protective equipment are employees in pier holes and confined footing excavations required to use?

An employee who enters a bell-bottom pier hole or similar deep and confined footing excavation must wear a harness with a lifeline. The lifeline must be attached securely to the harness and must be separate from any line used to handle materials. Also, while the employee wearing the lifeline is in the excavation, an observer must be on hand to ensure that the lifeline is working properly and maintain communication with the employee.

When should you conduct a site inspection?

The standard requires that a competent person inspect an excavation and the areas around it daily for possible cave-ins, failures of protective systems and equipment, hazardous atmospheres, or other hazardous conditions. Inspections also are required after natural events such as heavy rains or manmade events such as blasting that may increase the potential for hazards. If the inspector finds any unsafe conditions during an inspection, you must clear employees from the hazardous area until you take safety precautions.

The standard also requires that a competent person inspect excavations and the adjacent areas daily for possible cave-ins, failures of protective systems and equipment, hazardous atmospheres, and other hazardous conditions. If the competent person finds these conditions, all exposed employees must leave the hazardous area until necessary safety precautions are taken.

Larger and more complex operations should have a full-time safety official who makes recommendations to improve implementation of the safety plan. In a smaller operation, the safety official may be part-time and usually will be a supervisor.

Supervisors are the contractor's representatives on the job. Supervisors should conduct inspections, investigate accidents, and anticipate hazards. They should ensure that employees receive on-the-job safety and health training. They also should review and strengthen overall safety and health precautions to guard against potential hazards, get the necessary worker cooperation in safety matters, and make frequent reports to the contractor.

OSHA Assistance, Services, and Programs

How can OSHA help me?

OSHA can provide extensive help through a variety of programs, including assistance about safety and health programs, state plans, workplace consultations, Voluntary Protection Programs, strategic partnerships, training and education, and more.

How does safety and health program management help employers and employees?

Effective management of worker safety and health protection is a decisive factor in reducing the extent and severity of work-related injuries and illnesses and their related costs. In fact, an effective safety and health management system forms the basis of good worker protection and can save time and money—about $4 for every dollar spent—and increase productivity.

To assist employers and employees in developing effective safety and health programs, OSHA published recommended *Safety and Health Program Management Guidelines* (*Federal Register* 54(18):3904–3916, January 26, 1989). These voluntary guidelines can be applied to all worksites covered by OSHA.

The guidelines identify four general elements critical to the development of a successful safety and health management program:

- Management leadership and employee participation,
- Worksite analysis,
- Hazard prevention and control, and
- Safety and health training.

The guidelines recommend specific actions under each of these general elements to achieve an effective safety and health program. The *Federal Register* notice is available online at ***www.osha.gov***.

What are state plans?

State plans are OSHA-approved job safety and health programs operated by individual states or territories instead of Federal OSHA. The *Occupational Safety and Health Act of 1970* (*OSH Act*) encourages states to develop and operate their own job safety and health plans and permits state enforcement of OSHA standards if the state has an approved plan. Once OSHA approves a state plan, it funds 50 percent of the program's operating costs. State plans must provide standards and enforcement programs, as well as voluntary compliance activities, that are at least as effective as those of Federal OSHA.

There are 26 state plans: 23 cover both private and public (state and local government) employment, and 3 (Connecticut, New Jersey, and New York) cover only the public sector. For more information on state plans, see the listing at the end of this publication, or visit OSHA's website at ***www.osha.gov***.

How can consultation assistance help employers?

In addition to helping employers identify and correct specific hazards, OSHA's consultation service provides free, onsite assistance in developing and implementing effective workplace safety and health management systems that emphasize the prevention of worker injuries and illnesses.

Comprehensive consultation assistance provided by OSHA includes a hazard survey of the worksite and an appraisal of all aspects of the employer's existing safety and health management system. In addition, the service offers assistance to employers in developing and implementing an effective safety and health management system. Employers also may receive training and education services, as well as limited assistance away from the worksite.

Who can get consultation assistance and what does it cost?

Consultation assistance is available to small employers (with fewer than 250 employees at a fixed site and no more than 500 corporatewide) who want help in establishing and maintaining a safe and healthful workplace.

Funded largely by OSHA, the service is provided at no cost to the employer. Primarily developed for smaller employers with more hazardous operations, the consultation service is delivered by state governments employing professional safety and health consultants. No penalties are proposed or citations issued for hazards identified by the consultant. The employer's only obligation is to correct all identified serious hazards within the agreed-upon correction time frame.

Can OSHA assure privacy to an employer who asks for consultation assistance?

OSHA provides consultation assistance to the employer with the assurance that his or her name and firm and any information about the workplace will not be routinely reported to OSHA enforcement staff.

Can an employer be cited for violations after receiving consultation assistance?

If an employer fails to eliminate or control a serious hazard within the agreed-upon time frame, the consultation project manager must refer the situation to the OSHA enforcement office for appropriate action. This is a rare occurrence, however, since employers request the service for the expressed purpose of identifying and fixing hazards in their workplaces.

Does OSHA provide any incentives for seeking consultation assistance?

Yes. Under the consultation program, certain exemplary employers may request participation in OSHA's Safety and Health Achievement Recognition Program (SHARP). Eligibility for participation in SHARP includes, but is not limited to, receiving a full-service, comprehensive consultation visit, correcting all identified hazards, and developing an effective safety and health management system.

Employers accepted into SHARP may receive an exemption from programmed inspections (not complaint or accident investigation inspections) for a period of 1 year initially, or 2 years upon renewal. For more information concerning consultation assistance, see the list of consultation offices beginning on page 42, contact your regional or area OSHA office, or visit OSHA's website at ***www.osha.gov***.

What are the Voluntary Protection Programs?

Voluntary Protection Programs (VPPs) represent one part of OSHA's effort to extend worker protection beyond the minimum required by OSHA standards. VPP—along

with onsite consultation services, full-service area offices, and OSHA's Strategic Partnership Program (OSPP)—represents a cooperative approach which, when coupled with an effective enforcement program, expands worker protection to help meet the goals of the *OSH Act*.

How do the VPP work?

There are three levels of VPPs: Star, Merit, and Demonstration. All are designed to do the following:

- Recognize employers who have successfully developed and implemented effective and comprehensive safety and health management systems;
- Encourage these employers to continuously improve their safety and health management systems;
- Motivate other employers to achieve excellent safety and health results in the same outstanding way; and
- Establish a relationship between employers, employees, and OSHA that is based on cooperation.

How do VPP help employers and employees?

VPP participation can mean the following:

- Fewer worker fatalities, injuries, and illnesses;
- Lost-workday case rates generally 50 percent below industry averages;
- Lower workers' compensation and other injury- and illness-related costs;
- Improved employee motivation to work safely, leading to a better quality of life at work;
- Positive community recognition and interaction;

- Further improvement and revitalization of already-good safety and health programs; and a
- Positive relationship with OSHA.

How does OSHA monitor VPP sites?

OSHA reviews an employer's VPP application and conducts a VPP Onsite Evaluation to verify that the safety and health management systems described are operating effectively at the site. OSHA conducts onsite evaluations on a regular basis, annually for participants at the Demonstration level, every 18 months for Merit, and every 3 to 5 years for Star. Each February, all participants must send a copy of their most recent annual evaluation to their OSHA regional office. This evaluation must include the worksite's record of injuries and illnesses for the past year.

Can OSHA inspect an employer who is participating in the VPP?

Sites participating in VPP are not scheduled for regular, programmed inspections. OSHA handles any employee complaints, serious accidents, or significant chemical releases that may occur at VPP sites according to routine enforcement procedures.

Additional information on VPP is available from OSHA national, regional, and area offices, listed beginning on page 31. Also, see **Outreach** on OSHA's website at ***www.osha.gov***.

How can a partnership with OSHA improve worker safety and health?

OSHA has learned firsthand that voluntary, cooperative partnerships with employers, employees, and unions can be a useful alternative to traditional enforcement and an effective way to reduce worker deaths, injuries, and illnesses. This is especially true when a partnership leads to the development and implementation of a comprehensive workplace safety and health management system.

What is OSHA's Strategic Partnership Program (OSPP)?

OSHA Strategic Partnerships are alliances among labor, management, and government to foster improvements in workplace safety and health. These partnerships are voluntary, cooperative relationships between OSHA, employers, employee representatives, and others such as trade unions, trade and professional associations, universities, and other government agencies. OSPPs are the newest of OSHA's cooperative programs.

What do OSPPs do?

These partnerships encourage, assist, and recognize the efforts of the partners to eliminate serious workplace hazards and achieve a high level of worker safety and health. Whereas OSHA's Consultation Program and VPP entail one-on-one relationships between OSHA and individual worksites, most strategic partnerships seek to have a broader impact by building cooperative relationships with groups of employers and employees.

What are the different kinds of OSPPs?

There are two major types:

- Comprehensive, which focus on establishing comprehensive safety and health management systems at partnering worksites; and
- Limited, which help identify and eliminate hazards associated with worker deaths, injuries, and illnesses, or have goals other than establishing comprehensive worksite safety and health programs.

OSHA is interested in creating new OSPPs at the national, regional, and local levels. OSHA also has found limited partnerships to be valuable. Limited partnerships might address the elimination or control of a specific industry hazard.

What are the benefits of participation in the OSPP?

Like VPP, OSPP can mean the following:

- Fewer worker fatalities, injuries, and illnesses;
- Lower workers' compensation and other injury- and illness-related costs;
- Improved employee motivation to work safely, leading to a better quality of life at work and enhanced productivity;
- Positive community recognition and interaction;
- Development of or improvement in safety and health management systems; and
- Positive interaction with OSHA.

For more information about this program, contact your nearest OSHA office or go to the agency website at ***www.osha.gov***.

Does OSHA have occupational safety and health training for employers and employees?

The OSHA Training Institute in Des Plaines, IL, provides basic and advanced training and education in safety and health for federal and state compliance officers, state consultants, other federal agency personnel, and private-sector employers, employees, and their representatives.

Institute courses cover diverse safety and health topics including electrical hazards, machine guarding, personal protective equipment, ventilation, and ergonomics. The facility includes classrooms, laboratories, a library, and an audiovisual unit. The laboratories contain various demonstrations and equipment, such as power presses, woodworking and welding shops, a complete industrial ventilation unit, and a sound demonstration laboratory. More than 57 courses dealing with subjects such as safety and health in the construction industry and methods of compliance with OSHA standards are available for personnel in the private sector.

In addition, OSHA's 73 area offices are full-service centers offering a variety of informational services such as personnel for speaking engagements, publications, audiovisual aids on workplace hazards, and technical advice.

For more information on grants, training, and education, write: OSHA Training Institute, Office of Training and Education, 1555 Times Drive, Des Plaines, IL 60018; call (847) 297–4810; or see **Outreach** on OSHA's website at ***www.osha.gov***.

Does OSHA give money to organizations for training and education?

OSHA awards grants through its Susan Harwood Training Grant Program to nonprofit organizations to provide safety and health training and education to employers and workers in the workplace. The grants focus on programs that will educate workers and employers in small business (fewer than 250 employees), training workers and employers about new OSHA standards or about high-risk activities or hazards. Grants are awarded for 1 year and may be renewed for an additional 12 months depending on whether the grantee has performed satisfactorily.

OSHA expects each organization awarded a grant to develop a training and/or education program that addresses a safety and health topic named by OSHA, recruit workers and employers for the training, and conduct the training. Grantees are also expected to follow up with people who have been trained to find out what changes were made to reduce the hazards in their workplaces as a result of the training.

Each year OSHA has a national competition that is announced in the *Federal Register* and on the Internet at www.osha-slc.gov/Training/sharwood/sharwood.html. If you do not have access to the Internet, you can contact the OSHA Office of Training and Education, 1555 Times Drive, Des Plaines, IL 60018, (847) 297–4810, for more information.

Does OSHA have other assistance materials available?

OSHA has a variety of materials and tools available on its website at ***www.osha.gov***. These include eTools, Expert Advisors, Electronic Compliance Assistance Tools (e-CATs), Technical Links, regulations, directives, publications, videos, and other information for employers and employees. OSHA's software programs and compliance assistance tools walk you through challenging safety and health issues and common problems to find the best solutions for your workplace. OSHA's comprehensive publications program includes more than 100 titles to help you understand OSHA requirements and programs.

OSHA's CD-ROM includes standards, interpretations, directives, and more and can be purchased on CD-ROM from the U.S. Government Printing Office. To order, write to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, or phone (202) 512–1800. Specify *OSHA Regulations, Documents and Technical Information on CD-ROM (ORDT)*, GPO Order No. S/N 729-013-00000-5.

What do I do in case of an emergency or if I need to file a complaint?

To report an emergency, file a complaint, or seek OSHA advice, assistance, or products, call (800) 321–OSHA or contact your nearest OSHA regional or area office listed at the end of this publication. The teletypewriter (TTY) number is (877) 889–5627.

You can also file a complaint online and obtain more information on OSHA federal and state programs by visiting OSHA's website at ***www.osha.gov***.

OSHA Regional and Area Offices

OSHA Regional Offices

Region I
(CT,* ME, MA, NH, RI, VT*)
JFK Federal Building, Room E340
Boston, MA 02203
(617) 565–9860

Region II
(NJ,* NY,* PR,* VI*)
201 Varick Street, Room 670
New York, NY 10014
(212) 337–2378

Region III
(DE, DC, MD,* PA,* VA,* WV)
The Curtis Center
170 S. Independence Mall West
Suite 740 West
Philadelphia, PA 19106-3309
(215) 861–4900

Region IV
(AL, FL, GA, KY,* MS,
NC,* SC,* TN*)
SNAF
61 Forsyth Street SW
Room 6T50
Atlanta, GA 30303
(404) 562–2300

Region V
(IL, IN,* MI,* MN,* OH, WI)
230 South Dearborn Street,
Room 3244
Chicago, IL 60604
(312) 353–2220

Region VI
(AR, LA, NM,* OK, TX)
525 Griffin Street, Room 602
Dallas, TX 75202
(214) 767–4731 or 4736 x224

Region VII
(IA,* KS, MO, NE)
City Center Square
1100 Main Street, Suite 800
Kansas City, MO 64105
(816) 426–5861

Region VIII
(CO, MT, ND, SD, UT,* WY*)
1999 Broadway, Suite 1690
PO Box 46550
Denver, CO 80202-5716
(303) 844–1600

Region IX
(American Samoa, AZ,* CA,* HI,
NV,* Northern Mariana Islands)
71 Stevenson Street, Room 420
San Francisco, CA 94105
(415) 975–4310

Region X
(AK,* ID, OR,* WA*)
1111 Third Avenue, Suite 715
Seattle, WA 98101-3212
(206) 553–5930

*These states and territories operate their own OSHA-approved job safety and health programs (Connecticut, New Jersey and New York plans cover public employees only). States with approved programs must have a standard that is identical to, or at least as effective as, the federal standard.

OSHA Area Offices

Anchorage, AK
(907) 271–5152

Birmingham, AL
(205) 731–1534

Mobile, AL
(334) 441–6131

Little Rock, AR
(501) 324–6291 (5818)

Phoenix, AZ
(602) 640–2348

Sacramento, CA
(916) 566–7471

San Diego, CA
(619) 557–5909

Denver, CO
(303) 844–5285

Englewood, CO
(303) 843–4500

Bridgeport, CT
(203) 579–5581

Hartford, CT
(860) 240–3152

Wilmington, DE
(302) 573–6518

Fort Lauderdale, FL
(954) 424–0242

Jacksonville, FL
(904) 232–2895

Tampa, FL
(813) 626–1177

Savannah, GA
(912) 652–4393

Smyrna, GA
(770) 984–8700

Tucker, GA
(770) 493–6644/6742/8419

Des Moines, IA
(515) 284–4794

Boise, ID
(208) 321–2960

Calumet City, IL
(708) 891–3800

Des Plaines, IL
(847) 803–4800

Fairview Heights, IL
(618) 632–8612

North Aurora, IL
(630) 896–8700

Peoria, IL
(309) 671–7033

Indianapolis, IN
(317) 226–7290

Wichita, KS
(316) 269–6644

Frankfort, KY
(502) 227–7024

Baton Rouge, LA
(225) 389–0474 (0431)

Braintree, MA
(617) 565–6924

Methuen, MA
(617) 565–8110

Springfield, MA
(413) 785–0123

Linthicum, MD
(410) 865–2055/2056

August, ME
(207) 622–8417

Bangor, ME
(207) 941–8177

Portland, ME
(207) 780–3178

Lansing, MI
(517) 327–0904

Minneapolis, MN
(612) 664–5460

Kansas City, MO
(816) 483–9531

St. Louis, MO
(314) 425–4289

Jackson, MS
(601) 965–4606

Billings, MT
(406) 247–7494

Raleigh, NC
(919) 856–4770

Bismark, ND
(701) 250–4521

Omaha, NE
(402) 221–3182

Concord, NH
(603) 225–1629

Avenel, NJ
(732) 750–3270

Hasbrouck Heights, NJ
(201) 288–1700

Marlton, NJ
(609) 757–5181

Parsippany, NJ
(973) 263–1003

Albuquerque, NM
(505) 248–5302

Carson City, NV
(775) 885–6963

Albany, NY
(518) 464–4338

Bayside, NY
(718) 279–9060

Bowmansville, NY
(716) 684–3891

New York, NY
(212) 466–2482

North Syracuse, NY
(315) 451–0808

Tarrytown, NY
(914) 524–7510

Westbury, NY
(516) 334–3344

Cincinnati, OH
(513) 841–4132

Cleveland, OH
(216) 522–3818

Columbus, OH
(614) 469–5582

Toledo, OH
(419) 259–7542

Oklahoma City, OK
(405) 231–5351 (5389)

Portland, OR
(503) 326–2251

Allentown, PA
(610) 776–0592

Erie, PA
(814) 833–5758

Harrisburg, PA
(717) 782–3902

Philadelphia, PA
(215) 597–4955

Pittsburgh, PA
(412) 395–4903

Wilkes–Barre, PA
(570) 826–6538

Guaynabo, PR

(787) 277–1560

Providence, RI
(401) 528–4669

Columbia, SC
(803) 765–5904

Nashville, TN
(615) 781–5423

Austin, TX
(512) 916–5783 (5788)

Corpus Christi, TX
(512) 888–3420

Dallas, TX
(214) 320–2400 (2558)

El Paso, TX
(915) 534–6251

Fort Worth, TX
(817) 428–2470 (485–7647)

Houston, TX
(281) 591–2438 (2787)

Houston, TX
(281) 286–0583/0584 (5922)

Lubbock, TX
(806) 472–7681 (7685)

Salt Lake City, UT
(801) 530–6901

Norfolk, VA
(757) 441–3820

Bellevue, WA
(206) 553–7520

Appleton, WI
(920) 734–4521

Eau Claire, WI
(715) 832–9019

Madison, WI
(608) 264–5388

Milwaukee, WI
(414) 297–3315

Charleston, WV
(304) 347–5937

OSHA-Approved Safety and Health Plans

Alaska

Alaska Department of Labor and Workforce Development

Commissioner
(907) 465–2700
FAX: (907) 465–2784

Program Director
(907) 269–4904
FAX: (907) 269–4915

Arizona

Industrial Commission of Arizona

Director, ICA
(602) 542–4411
FAX: (602) 542–1614

Program Director
(602) 542–5795
FAX: (602) 542–1614

California

California Department of Industrial Relations

Director
(415) 703–5050
FAX: (415) 703–5114

Chief
(415) 703–5100
FAX: (415) 703–5114

Manager, Cal/OSHA Program Office
(415) 703–5177
FAX: (415) 703–5114

Connecticut

Connecticut Department of Labor

Commissioner
(860) 566–5123
FAX: (860) 566–1520

Conn-OSHA Director
(860) 566–4550
FAX: (860) 566–6916

Hawaii

Hawaii Department of Labor and Industrial Relations

Director
(808) 586–8844
FAX: (808) 586–9099

Administrator
(808) 586–9116
FAX: (808) 586–9104

Indiana

Indiana Department of Labor

Commissioner
(317) 232–2378
FAX: (317) 233–3790

Deputy Commissioner
(317) 232–3325
FAX: (317) 233–3790

Iowa

Iowa Division of Labor

Commissioner
(515) 281–6432
FAX: (515) 281–4698

Administrator
(515) 281–3469
FAX: (515) 281–7995

Kentucky

Kentucky Labor Cabinet
Secretary (502) 564–3070
FAX: (502) 564–5387

Federal\State Coordinator
(502) 564–3070 ext.240
FAX: (502) 564–1682

Maryland

Maryland Division of Labor
and Industry

Commissioner
(410) 767–2999
FAX: (410) 767–2300

Deputy Commissioner
(410) 767–2992
FAX: (410) 767–2003

Assistant Commissioner, MOSH
(410) 767–2215
FAX: (410) 767–2003

Michigan

Michigan Department of
Consumer and Industry Services

Director
(517) 322–1814
FAX: (517) 322–1775

Minnesota

Minnesota Department of
Labor and Industry

Commissioner
(651) 296–2342
FAX: (651) 282–5405

Assistant Commissioner
(651) 296–6529
FAX: (651) 282–5293

Administrative Director,
OSHA Management Team
(651) 282–5772
FAX: (651) 297–2527

Nevada

Nevada Division of
Industrial Relations

Administrator
(775) 687–3032
FAX: (775) 687–6305

Chief Administrative Officer
(702) 486–9044
FAX: (702) 990–0358
[Las Vegas (702) 687–5240]

New Jersey

New Jersey Department of Labor

Commissioner
(609) 292–2975
FAX: (609) 633–9271

Assistant Commissioner
(609) 292–2313
FAX: (609) 292–1314

Program Director, PEOSH
(609) 292–3923
FAX: (609) 292–4409

New Mexico

New Mexico Environment Department

Secretary
(505) 827–2850
FAX: (505) 827–2836

Chief
(505) 827–4230
FAX: (505) 827–4422

New York

New York Department of Labor

Acting Commissioner
(518) 457–2741
FAX: (518) 457–6908

Division Director
(518) 457–3518
FAX: (518) 457–6908

North Carolina

North Carolina Department of Labor

Commissioner
(919) 807–2900
FAX: (919) 807–2855

Deputy Commissioner, OSH Director
(919) 807–2861
FAX: (919) 807–2855

OSH Assistant Director
(919) 807–2863
FAX: (919) 807–2856

Oregon

Oregon Occupational Safety and Health Division

Administrator
(503) 378–3272
FAX: (503) 947–7461

Deputy Administrator for Policy
(503) 378–3272
FAX: (503) 947–7461

Deputy Administrator for Operations
(503) 378–3272
FAX: (503) 947–7461

Puerto Rico

Puerto Rico Department of Labor and Human Resources

Secretary
(787) 754–2119
FAX: (787) 753–9550

Assistant Secretary for Occupational Safety and Health
(787) 756–1100, 1106 / 754–2171
FAX: (787) 767–6051

Deputy Director for Occupational Safety and Health
(787) 756–1100/1106, 754–2188
FAX: (787) 767–6051

South Carolina

South Carolina Department of Labor, Licensing, and Regulation

Director
(803) 896–4300
FAX: (803) 896–4393

Program Director
(803) 734–9644
FAX: (803) 734–9772

Tennessee

Tennessee Department of Labor

Commissioner
(615) 741–2582
FAX: (615) 741–5078

Acting Program Director
(615) 741–2793
FAX: (615) 741–3325

Utah

Utah Labor Commission

Commissioner
(801) 530–6901
FAX: (801) 530–7906

Administrator
(801) 530–6898
FAX: (801) 530–6390

Vermont

Vermont Department of Labor and Industry

Commissioner
(802) 828–2288
FAX: (802) 828–2748

Project Manager
(802) 828–2765
FAX: (802) 828–2195

Virgin Islands

Virgin Islands Department of Labor

Acting Commissioner
(340) 773–1990
FAX: (340) 773–1858

Program Director
(340) 772–1315
FAX: (340) 772–4323

Virginia

Virginia Department of Labor and Industry

Commissioner
(804) 786–2377
FAX: (804) 371–6524

Director, Office of Legal Support
(804) 786–9873
FAX: (804) 786–8418

Washington

Washington Department of Labor and Industries

Director
(360) 902–4200
FAX: (360) 902–4202

Assistant Director
(360) 902–5495
FAX: (360) 902–5529

Program Manager,
Federal–State Operations
(360) 902–5430
FAX: (360) 902–5529

Wyoming

Wyoming Department of Employment

Safety Administrator
(307) 777–7786
FAX: (307) 777–3646

OSHA Onsite Consultation Offices

Alabama
(205) 348–3033
(205) 348–3049 FAX

Alaska
(907) 269–4957
(907) 269–4950 FAX

Arizona
(602) 542–1695
(602) 542–1614FAX

Arkansas
(501) 682–4522
(501) 682–4532 FAX

California
(415) 703–5270
(415) 703–4596 FAX

Colorado
(970) 491–6151
(970) 491–7778 FAX

Connecticut
(860) 566–4550
(860) 566–6916 FAX

Delaware
(302) 761–8219
(302) 761–6601 FAX

District of Columbia
(202) 576–6339
(202) 576–7579 FAX

Florida
(813) 974–9962

Georgia
(404) 894–2643
(404) 894–8275 FAX

Guam
011 (671) 475–0136
011 (671) 477–2988 FAX

Hawaii
(808) 586–9100
(808) 586–9099 FAX

Idaho
(208) 426–3283
(208) 426–4411 FAX

Illinois
(312) 814–2337
(312) 814–7238 FAX

Indiana
(317) 232–2688
(317) 232–3790 FAX

Iowa
(515) 281–7629
(515) 281–5522 FAX

Kansas
(785) 296–7476
(785) 296–1775 FAX

Kentucky
(502) 564–6895
(502) 564–6103 FAX

Louisiana
(225) 342–9601
(225) 342–5158 FAX

Maine
(207) 624–6460
(207) 624–6449 FAX

Maryland
(410) 880–4970
(301) 483–8332 FAX

Massachusetts
(617) 727–3982
(617) 727–4581 FAX

Michigan
(517) 322–1809
(517) 322–1374 FAX

Minnesota
(612) 297–2393
(612) 297–1953 FAX

Mississippi
(601) 987–3981
(601) 987–3890 FAX

Missouri
(573) 751–3403
(573) 751–3721 FAX

Montana
(406) 444–6418
(406) 444–4140 FAX

Nebraska
(402) 471–4717
(402) 471–5039 FAX

Nevada
(702) 486–9140
(702) 990–0362 FAX

New Hampshire
(603) 271–2024
(603) 271–2667 FAX

New Jersey
(609) 292–3923
(609) 292–4409 FAX

New Mexico
(505) 827–4230
(505) 827–4422 FAX

New York
(518) 457–2238
(518) 457–3454 FAX

North Carolina
(919) 807–2905
(919) 807–2902 FAX

North Dakota
(701) 328–5188
(701) 328–5200 FAX

Ohio
(800) 282–1425 or
(614) 644–2631
(614) 644–3133 FAX

Oklahoma

(405) 528–1500
(405) 528–5751 FAX

Oregon

(503) 378–3272
(503) 378–5729 FAX

Pennsylvania

(724) 357–2396
(724) 357–2385 FAX

Puerto Rico

(787) 754–2171
(787) 767–6051 FAX

Rhode Island

(401) 222–2438
(401) 222–2456 FAX

South Carolina

(803) 734–9614
(803) 734–9741 FAX

South Dakota

(605) 688–4101
(605) 688–6290 FAX

Tennessee

(615) 741–7036
(615) 532–2997 FAX

Texas

(512) 804–4640
(512) 804–4641 FAX
OSHCON Request Line:
(800) 687–7080

Utah

(801) 530–6901
(801) 530–6992 FAX

Vermont

(802) 828–2765
(802) 828–2195 FAX

Virginia

(804) 786–6359
(804) 786–8418 FAX

Virgin Islands

(340) 772–1315
(340) 772–4323 FAX

Washington

(360) 902–5638
(360) 902–5459 FAX

West Virginia

(304) 558–7890
(304) 558–9711 FAX

Wisconsin (Health)

(608) 266–8579
(608) 266–9383 FAX

Wisconsin (Safety)

(262) 523–3040
(800) 947–0553
(262) 523–3046 FAX

Wyoming

(307) 777–7786
(307) 777–3646 FAX



Occupational Safety
and Health Administration

U.S. Department of Labor

Appendix G
Common Fire Extinguishing Agent Guide

PUTTING OUT FIRES

FACILITATOR GUIDE

FEMA

ACTIVITY: PUTTING OUT FIRES

Purpose: The purpose of this activity is to educate participants about how to extinguish a fire.

Objectives:

- Identify the elements necessary for a fire.
- Demonstrate how to use a fire extinguisher.

Preparation and Needed Materials: Prior to conducting this activity:

- Ask the local fire department to participate by setting a controlled fire and demonstrate how to use a fire extinguisher. You should **not** do this activity without the support of the local fire department.
- Determine if local merchants or organizations will donate fire extinguishers to those who cannot afford them.

Presentation Tips: Refer the participants to the Fire Basics handout.

- Explain that fire requires the following three elements to exist:
  - **Heat:** Heat is required to elevate the temperature of a material to its ignition point. Sources of heat include matches, stoves, sparks, etc.
  - **Fuel:** The fuel for a fire may be a solid (e.g., coal, wood, paper, cloth, hay, etc.), liquid (e.g., gasoline, kerosene, alcohol, paint, cooking oil, etc.), or gas (e.g., propane, natural gas, butane, etc.). The type and quantity of the fuel will determine which method should be used to extinguish the fire.
  - **Oxygen:** Most fires will burn vigorously in any atmosphere of at least 20 percent oxygen. Without oxygen, most fuels could be heated until entirely vaporized, yet would not burn.
- Note that these three elements, called the "fire triangle," create a chemical exothermic reaction, which is fire. **Ask participants to find sources of heat and fuel in the meeting room or building.**

ACTIVITY: PUTTING OUT FIRES

Presentation Tips: (Continued)

- Next, explain each class of fire. Emphasize the following key points:
  - It is very important to identify the type of fuel feeding the fire to select the correct method and agent for extinguishing the fire.
  - Never use water on a fire unless you know what is burning. Water conducts electricity which could spread the problem and cause more shorting in the equipment. Water will also carry burning oil, gas, and other petroleum products into new areas to ignite.
- Distribute the Fire Extinguishers handout. Using a fire extinguisher, explain the features and capabilities of fire extinguishers. Make sure to point out the symbols and information concerning the fire classes and capacity of the fire extinguisher(s).

  Ask the participants to find the list of questions to answer when determining whether to use a fire extinguisher. Give the participants time to review the questions. Emphasize that **if you answer "NO" to <u>any</u> of these questions or if you are unable to put out the fire in 5 seconds using the extinguisher, you should not use a fire extinguisher**. Tell the participants in that case, they should:
  - Leave the building immediately.
  - Shut all doors as you leave to slow the spread of the fire.
  - As soon as you get out of the building, call 911.

  If you answer "YES" to all of the questions but still feel unable to extinguish the fire, you should leave immediately. **You should always remember the 5-second rule.**
- **Activity:** Present some "what-if" situations and have the participants determine whether to use the fire extinguisher. Provide feedback on the participants' decisions.

ACTIVITY: PUTTING OUT FIRES

Presentation Tips: (Continued)

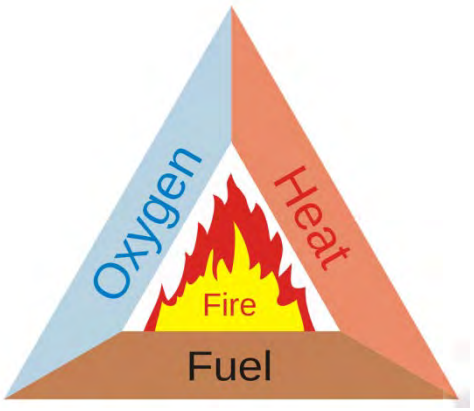
- Next, refer the participants to the **"PASS"** steps illustrated on the handout. Explain each of the following steps:

  - **STEP 1: PULL.** Pull the pin. This will also break the tamper seal.
  - **STEP 2: AIM.** Aim low, pointing the extinguisher nozzle (or its horn or hose) at the base of the fire. Note: Do not touch the plastic discharge horn on CO2 extinguishers; it could get very cold and may damage skin.
  - **STEP 3: SQUEEZE.** Squeeze the handle to release the extinguishing agent.
  - **STEP 4: SWEEP.** Sweep from side to side at the base of the fire until it appears to be out. Watch the area. If the fire re-ignites, repeat steps 2 through 4.

- **Demonstration:** Work with your fire department as they set a small, contained fire. Demonstrate how to put out the fire using the extinguisher. If you have the time and resources, have each participant practice using a fire extinguisher. Do **not** do this activity unless the local fire department is there with you!
- Distribute the Fire Safety Rules handout. Review the safety guidelines. Emphasize that only those trained in the proper use and maintenance of fire extinguishers should consider using them when appropriate.
- Ask the participants if they have any questions. Respond to any questions and tell the participants about other related sessions and community resources.

Fire Triangle

Fire requires the following three elements to exist:



- **Heat:** Heat is required to elevate the temperature of a material to its ignition point. Sources of heat include matches, stoves, sparks, etc.
- **Fuel:** The fuel for a fire may be a solid (e.g., coal, wood, paper, cloth, hay, etc.), liquid (e.g., gasoline, kerosene, alcohol, paint, cooking oil, etc.), or gas (e.g., propane, natural gas, butane, etc.). The type and quantity of the fuel will determine which method should be used to extinguish the fire.
- **Oxygen:** Most fires will burn vigorously in any atmosphere of at least 20 percent oxygen. Without oxygen, most fuels could be heated until entirely vaporized, yet would not burn.

These three elements, called the "fire triangle," create a chemical exothermic reaction, which is fire.

What are some examples of heat and fuel in this room?

Classes of Fire

Knowing the type of fuel helps determine what kind of fire extinguisher to use and how to use it. There are five common classes of fires:

Fire Class	Fuel
A	Ordinary combustibles such as paper, cloth, wood, rubber, and many plastics
B	Flammable liquids (e.g., oils, gasoline) and combustible liquids (e.g., charcoal lighter fluid, kerosene)
C	Energized electrical equipment (e.g., wiring, motors) – when the electricity is turned off, the fire becomes a Class A fire
D	Combustible metals (e.g., aluminum, magnesium, titanium)
K	Vegetable oils, animal oils, or fats in cooking appliances

Source: U.S. Fire Administration

It is very important to identify the type of fuel feeding the fire to select the correct method and agent for extinguishing the fire.

Never use water on a fire unless you know what is burning. Water conducts electricity, causing the problem to spread and cause more shorting in the equipment. Water will also move burning oil, gas, and other petroleum products into new areas to ignite.

Fire Extinguishers: Overview

Understanding Fire Extinguishers



- Portable fire extinguishers are invaluable for putting out small fires. A well prepared home or workplace will have at least two portable fire extinguishers of the appropriate type for the location.
- The type of fuel that is burning will determine which resources to select to fight a fire. Most household fires are:


Class A (ordinary combustible)


Class B (flammable liquids)


Class C (energized electrical equipment)


Class D (flammable metals – commercial use)


Class K (cooking oils, animal fats)

- A dry chemical extinguisher can be used on any type of fire. Common characteristics of dry chemical extinguishers include:
  - **Capacity.** Approximately 10 to 20 seconds discharge time.
  - **Range.** Standard range is 8 to 12 feet.
  - **Pressure.** Standard pressure is 175 to 250 pounds per square inch.

Deciding to Use a Fire Extinguisher: Before attempting to put out a fire with a portable fire extinguisher, you must quickly answer the following questions:

- Has someone called the fire department?
- Are there two ways to exit the area quickly and safely if I attempt to extinguish the fire? (The first priority for you is safety.)
- Do I have the right type of extinguisher for the type of fire?
- Is the extinguisher large enough for the fire?
- Is the fire small and contained (like in a wastepaper basket)?
- Is the area free from other dangers, such as hazardous materials or any debris?

Fire Extinguishers: Overview (Continued)

If you answer "NO" to any of these questions or if you will be unable to put out the fire in 5 seconds using the extinguisher, you should not use a fire extinguisher. Rather, you should:

- Leave the building immediately.
- Shut all doors as you leave to slow the spread of the fire.
- As soon as you get out of the building, call 911.

If you answer "YES" to all of the questions but still feel unable to extinguish the fire, you should leave immediately. **You should always remember the 5-second rule.**

If the fire is extinguished in 5 seconds and the area is safe, you should stay and carefully check the fire scene for hidden fire or sparks in an effort to prevent the fire from rekindling. Separate any burned or charred material to allow it to cool completely.

Fire Extinguisher: Steps

To use a fire extinguisher, remember "**PASS**":



P	**PULL.** Pull the pin. This will also break the tamper seal.
A	**AIM.** Aim low, pointing the extinguisher nozzle (or its horn or hose) at the base of the fire. Stand approximately 8 feet away. Note: Do not touch the plastic discharge horn; it may get very cold and may damage skin.
S	**SQUEEZE.** Squeeze the handle to release the extinguishing agent.
S	**SWEEP.** Sweep from side to side at the base of the fire until it appears to be out. Watch the area. If the fire re-ignites, repeat steps 2 through 4.

Fire Extinguisher: Steps (Continued)

When using a fire extinguisher:

- Always stand with an exit at your back.
- Stand several feet away from the fire, moving closer once the fire starts to diminish.
- Use a slow, sweeping motion and aim the fire extinguisher nozzle at the base of the fire.
- If possible, use a "buddy system" to have someone back you up or to call for help if something goes wrong.

After putting out the fire, call 911. Be sure to watch the area for a while to ensure the fire does not re-ignite.

If you have the slightest doubt about your ability to stop the fire . . . EVACUATE IMMEDIATELY!

Installing and Maintaining Fire Extinguishers

- Extinguishers should be installed in plain view, above the reach of children, near an escape route, and away from stoves and heating appliances.
- Extinguishers require routine care. Read your operator's manual to learn how to inspect your extinguisher. Follow the manufacturer's instructions on maintenance.
- You must service rechargeable models after every use. Disposable fire extinguishers can be used only once and must be replaced after use.

- **Always have two ways to exit the fire area.** Fires spread much faster than you might think. Always have a backup escape plan in case your main escape route becomes blocked.
- **Look at the door.** If air is being sucked under the door or smoke is coming out the top of the door, do not touch the door.
- **Feel closed doors with the back of the hand, working from the bottom of the door up.** Do not touch the door handle before feeling the door. If the door is hot, there is fire behind it. Do not enter! Opening the door will feed additional oxygen to the fire.
- **Confine the fire**, whenever possible, by closing doors and keeping them closed.
- **Stay low to the ground.** Smoke will naturally rise. Keeping low to the ground will provide you with fresher air to breathe.
- **Don't get too close. Stay near the outer range of your extinguisher.** If you feel the heat, you are too close.
- **Never turn your back on a fire when backing out.**
- **When you have extinguished the fire, carefully check to be sure that it is out, and stays out.** Sometimes, what you don't do when suppressing fires is as important as what you should do.
- **Don't forget that your personal safety is your first priority.** Don't put it at risk.
- **Don't try to suppress a large fire.** If you can't put out the fire in **5 seconds** or less, the fire it too large. Get out.
- **Don't enter smoke-filled areas.** Suppressing fires in smoke-filled areas requires equipment other than a portable fire extinguisher.

Remember . . . Only those trained in the proper use and maintenance of fire extinguishers should consider using them when appropriate.

Appendix H
Job Safety Analysis (JSA)

Placeholder Page

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State)	DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
TRC/Former Gage Avenue Landfill	**1/4/14**	
JSA WORK ACTIVITY (Description):	List of Contractor(s) and key work activity:	
Landfill Excavation	**B&D Construction**	

SITE SPECIFIC JSA AUTHOR	POSITION / TITLE	DEPT	SIGNATURE
Robert Lovdahl	**Staff Geologist**	**RMD**	

"TRC APPROVED" JSA DEVELOPMENT TEAM	POSITION / TITLE	APPROVAL DATE
Tim Johnson	**Safety Manager**	

Required PPE (indicate with "R") vs. Must Have Available On-site (indicate "A")

__R__ REFLECTIVE VEST __R__ HARD HAT __R__ GLOVES: **ANSI Cut Level 2,3, 4 or 5 Kevlar** __R__ SAFETY GLASSES _____ GOGGLES _____ FACE SHIELD	__A__ HEARING PROTECTION __R__ SAFETY SHOES: Protective Toe _____ 5pt.HARNESS / LANYARD PPE CLOTHING: ____Coveralls ____Tyvek Suit ____Nomex ____Other (specify):	RESPIRATORY PROTECTION: ☐ NA __A__ Dust Mask __A__ ½ face Air Purifying Respirator (APR) __X__ Particulate Mask: ☒ PM100 ☐ PM95 __X__ Cartridge: ☒ P100-Multigas ☐ _____ _____ Full face ARP; specify cartridge type: _____ Air Supplied Respirator ____SCBA ____Air-line	Additional PPE:

Always perform a Safety Assessment: 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.

[1] JOB TASKS	[2] POTENTIAL HAZARDS	[3] HAZARD CONTROLS (beyond wearing "Required" PPE)
1. Set-up Activities	a. Lack of concentration or focus	a. Review all plans (HASP, Work, Utility Plans, etc.) and logs in field notebook prior to starting a new task. Identify daily tasks and required personnel actions.
	b. Fire and explosion	b. No smoking or open flame. Periodically monitor ambient air concentrations with PID/LEL Meter. Shut down job and move personnel and equipment upwind if hydrocarbon concentrations are > 300 ppm or >10% of LEL. b. Place 2-20lb ABC Fire extinguishers in accordance with site safety officer's direction.
	c. Electric Shock / Electrocution	c. Have a qualified electrician from power company cut all power connections to the site and remove main breaker from power panel. c. De-Energize all circuits/power sources and follow TRC's Lock-Out, Tag-Out (LOTO) procedures.
	d. Malfunctioning Heavy Equipment Safety Devices	d. Perform all equipment and safety checks prior to event startup (per operating manual).
2. Excavation of landfilled materials	a. Eye injury from flying debris.	a. Wear ANSI approved-safety glasses at all times.
	b. High Noise Level.	b. Wear Ear Plugs or Ear Muffs when equipment is operating onsite.
	c. Being struck by moving vehicles or equipment onsite.	c. Establish eye contact with operators when moving about. Use hazard communications contained in HASP.
	d. Cut/Pinched fingers or toes; and strained muscles	d. Wear proper work and protective clothing (long pants, sleeved-shirt, steel-toed boots, safety vest, safety glasses, Kevlar gloves, and safety helmet) at all times while on jobsite. e. Lift heavy objects utilizing leg muscles and get assistance when equipment exceeds 50-lbs.
	e. Equipment tip over.	f. Watch equipment location & swing points, monitor live & dead loads adjacent to the excavation. g. Maintain 2-foot safety buffer at edge of excavation.
	f. Landfill gas	h. Monitor ambient atmosphere with PID and four gas meter prior to excavation and during excavation. i. Shut down job and move personnel and equipment upwind if hydrocarbon concentrations are > 300 ppm or >10% of LEL
	g. Slip/trips and falls.	j. Pre excavtion methane gas detector reading at location of proposed

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) **TRC/Former Gage Avenue Landfill**		DATE PREPARED FOR HSP: **1/4/14**	☐ NEW ☒ REVISED from S: Drive
JSA WORK ACTIVITY (Description): **Landfill Excavation**		List of Contractor(s) and key work activity: **B&D Construction**	
	h. Physical injury to visitors/spectators	excavation prior to start. If gas detection is >= 10% of the LEL (5% gas by volume) work will not begin until gas levels drop below this limit. k. Methane gas detector readings at site will be constantly monitored throughout the day. If gas detection is >= 10% of the LEL (5% gas by volume) work will be shut down until gas levels drop below this limit. l. Hydrogen sulfide gas detector readings at site will be constantly monitored throughout the day. If gas detection is >10 ppm a respirator is required. m. Maintain good house keeping - place unused equipment out of walkways and work areas. Clean-up all spills and debris. n. Control entry in work area using exclusions zones and use check-in logs (found in field notebook)	
3. Staging and dumping of HC Impacted Soil	a. Bad organization creating confusion and hazard	a. Identify staging area, clearly mark and keep area clear of parked vehicles or stored materials/equipment. a. Identify truck ingress/egress lanes and keep clear. a. Clear stockpile area (including overhead obstructions) so that loader bucket doesn't impact a surface appurtenance or overhead line.	
4. Clean-up	a. Slips, trips, and falls b. Storm water Run-off	a. Use good house-keeping, put equipment away as it is disconnected. b. Cover all impacted spoils piles and berm to contain storm water run-off .	

	LOCATION(S) WHERE HAZARD IS TO BE EXPECTED	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**
1.	a.	a.
2.	a.	a.
3.	a.	a.

Field Notes:

LIMITATION: As part of TRC's EHS Policy, a JSA is provided by TRC for its employees. The purpose of a JSA is NOT to identify all hazards associated with a task, but to identify key potential hazards to get TRC and other onsite personnel thinking about other potential safety hazards and mitigating actions for unsafe conditions and behavior during various works. TRC recognizes that JSA's may not cover every conceivable step or hazard that emerges during a job, so we've provided a "Field Change" section below to amend a JSA if required. The JSA does not supersede or replace any local, state or federal permit, regulation, statute or other entities policies and procedures but is simply a tool for enhancing the execution of safe work at a jobsite under TRC's supervision. Similarly, all subcontractors are required to provide their own JSA(s) for their specialty prior to performing any work for TRC or its customers in accordance with TRC's EHS Policy; however, any unsafe condition or hazard not covered in any JSA is ultimately the direct responsibility of the person or entity performing the work.

Soil Borings (Direct Push) Job Safety Analysis (JSA)

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State)	DATE PREPARED FOR HASP:	☒ NEW ☐ REVISED
TRC	January 2015	
JSA WORK ACTIVITY (Description): **Soil Borings (Direct Push)**	List of Contractor(s) and key work activity: Environmental Support Technologies	

SITE SPECIFIC JSA AUTHOR	POSITION / TITLE	DEPT	SIGNATURE
Jim Ferrara	**Project Manager**	**RMD**	

TRC HEALTH AND SAFETY MANAGEMENT	POSITION / TITLE	APPROVAL DATE
	OSC	

PERSONAL PROTECTION EQUIPMENT (PPE) QUICK SUMMARY
Required PPE (indicate with "R") vs. Must Have Available On-site (indicate "A")

__R__ REFLECTIVE VEST __R__ HARD HAT __R__ GLOVES: **ANSI Cut Level 4 & 5 Kevlar** __R__ SAFETY GLASSES _____ GOGGLES _____ FACE SHIELD	__R__ HEARING PROTECTION __R__ SAFETY SHOES: Protective Toe _____ 5pt.HARNESS / LANYARD PPE CLOTHING: ____Coveralls ____Tyvek Suit ____Nomex ____Other (specify):	RESPIRATORY PROTECTION: ☐ NA __A__ ½ face Air Purifying Respirator (APR) __X__ Cartridge: ☒ P100 ☐ Multigas_ _____ Full face ARP; specify cartridge type: _____ Air Supplied Respirator ____SCBA _____Air-line	Additional PPE/Notes: As per defined in the job/site specific Health and Safety Plan (HASP) wear PPE at all times when performing site work.

Always perform a Safety Assessment (Hazard Hunt): 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.

[1] JOB TASKS	[2] POTENTIAL HAZARDS	[3] HAZARD CONTROLS (beyond wearing "Required" PPE)
1) Set-up	a. Lack of concentration or focus.	a1. Review all plans (HASP, Work, Utility, Site Plans, etc.), logs, and field notes prior to starting a new task. Identify daily tasks and required personnel actions. a2. Conduct safety tailgate meeting with subcontractor personnel prior to beginning work activities. Explain the site safety hazards and work precautions outlined in the HASP and obtain signatures indicating the HASP was discussed.
	b. Fire and explosion.	b1. No smoking or open flame. Periodically monitor ambient air concentrations with PID/LEL Meters. Shut down job and move personnel and equipment upwind if hydrocarbon concentrations are HASP defined action levels. b2. Deploy 2-20lb ABC Fire extinguishers in accordance site safety officer's direction.
	c. Electric shock/ electrocution.	c1. Have a qualified electrician cut all power connections to the site and remove main breaker from power panel. c2. De-energize all circuits/power sources and follow TRC's Lock-Out, Tag-Out (LOTO) procedures for circuits within 3-feet of boring location or 10-feet' of overhead utilities.

Always perform a Safety Assessment (Hazard Hunt): 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.		
[1] JOB TASKS	**[2] POTENTIAL HAZARDS**	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**
1) Cont'd	d. Malfunctioning heavy equipment safety devices.	d1. Inspect drill rig to determine if in good condition. Perform all equipment and safety checks prior to event startup (per operating manual).
	e. Being struck by moving vehicles or equipment onsite.	e1. Always wear safety vest, establish eye contact with operators utilizing flag men wear appropriate. e2. Vehicles shall use reverse beepers or flagmen. e3. Create an exclusion zone at least 10-feet beyond the limits of the boring to limit access to staging/work area using snow fencing, barricades, delineators, cones and/or caution tape. e4. Face the direction of oncoming traffic during work activities when possible.
	f. Bad organization creating confusion and hazard.	f1. Identify staging area with good lateral and vertical access for loading and unloading of trucks.
	g. Unauthorized personnel in exclusion zone.	g1. Use visitor check-in log and allow no-one in exclusion area without proper PPE (as defined on this JSA) and training documentation (e.g., HAZWOPER, other as defined in the HASP).
2) Drilling	a. Contact with subsurface water, gas, electrical, and/or fiber optic lines in the vicinity of drilling locations.	a1. Following the hole clearance and drilling procedures outlined in TRC's Drilling/Borehole/Excavation Checklist. a2. If unknown lines or obstructions are encountered, stop drilling and notify PM. Do not undermine any utilities.
	b. Broken rod.	b1. Do not stand in close proximity of the rods being pushed into the ground. Stand off to the side and wear required PPE.
	c. Distracted driller.	c1. Always communicate with the driller before approaching the operating drill stem.
	d. Slips, trips, and falls.	d1. Spread absorbent to soak up any pools of water that accumulate during drilling. d2. Maintain a clean, unobstructed work area by good housekeeping and placing unused equipment away from work area.
	e. Soil cross contamination.	e1. Ensure downhole sampling equipment is cleaned between samples. e2. Create a clean sample collection area with removable poly sheeting/aluminum foil or other method ensure a clean work surface that is refreshed between each sample.
	f. Cut/pinched fingers or toes; and strained muscles.	f1. See PPE Quick Summary. f2. Use proper lifting techniques and 2-man rule as outlined in TRC's Employee IIPP Handbook and "Back Safety: A User's Guide" training module" handbook, when moving heavy objects (>50 lbs).

Always perform a Safety Assessment (Hazard Hunt): 1) prior to starting work; 2) when changing tasks; and 3) throughout the day.

[1] JOB TASKS	[2] POTENTIAL HAZARDS	[3] HAZARD CONTROLS (beyond wearing "Required" PPE)
2) Cont'd	g. Noise.	g1. All personnel will use hearing protection within work area while heavy machinery is operating at >85 dB.
	h. Flying particles, dust and hazardous substances from clearance activities.	h1. See PPE Quick Summary.
	i. Exposure to impacted soil or groundwater.	i1. Wear latex or nitrile gloves during handling of soil or ground water.
	j. Toxic or explosive atmosphere.	j1. Periodically monitor ambient atmosphere with PID or LEL meter. Shut down job and move personnel and equipment upwind if concentrations are detected above HASP defined action levels.
	k. Opening/handling core sleeves.	k1. Do not attempt to open retrieved core sleeves. Request the driller to open the plastic sleeves using ANSI cut level 5 Kevlar gloves. TRC personnel must have ANSI cut level 4 Kevlar gloves when handling/transporting open core sleeves.
	l. Inclement weather/ lightning.	l1. Monitor forecasted weather prior to and during drilling activities. Hault drilling activities if lightning is observed or anticipated and wait in personal/company vehicle until weather passes or until directed otherwise by the project manager.
	m. Heat illness.	m1. Refer to Activity Performed in Hot Illness Prevention JSA.
	n. Cold illness.	n1. Refer to Activity Performed in Cold Illness Prevention JSA.
3) Boring Completion	a. Bad organization causing cross-contamination of soil, groundwater, or personnel.	a1. Waste management—Identify and delineate soil stockpile area or storage area if soil cuttings/purge water are to be drummed. a2. Blot up puddles of standing water and the work area will be swept.
	b. Moving heavy objects (>50-lbs) and mixing grout/concrete.	b1. Get assistance for moving heavy objects and mixing grout/concrete. Use mechanical aids to move objects or mix grout/concrete.
	c. Opening/closing/ moving drums.	c1. Wear must wear ANSI cut rated 4 or 5 Kevlar gloves during the opening and closing of drums to protect fingers. c2. Use only drum dolly to move drums with soil, hydrated bentonite grout, or concrete or other heavy contents. c3. Empty metal drums could also cause strain or injury if not moved properly. Use caution and appropriate tools (e.g., dolly).
	d. Slips, trips, falls and physical injury during auger removal.	d1. Place all removed rods to side, so as not to become a trip hazard.

Always perform a Safety Assessment (Hazard Hunt): 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.		
[1] JOB TASKS	**[2] POTENTIAL HAZARDS**	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**
3) Cont'd	e. Overspray and cross-contamination during rod decontamination.	e1. See PPE Quick Summary. e2. Do not overspray while cleaning rods. Create a "clean zone" with plastic liner for placement of decontaminated rods.
	LOCATION(S) WHERE HAZARD IS TO BE EXPECTED	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**
1.	a.	a.
2.	a.	a.
3.	a.	a.

PID—photoionization detector; LEL—lower explosive limit; PPE—Personal Protective Equipment; ANSI—American National Standards Institute

Field Notes:

_____

_____

LIMITATION: As part of TRC's EHS Policy, a JSA is provided by TRC for its employees. The purpose of a JSA is NOT to identify all hazards associated with a task, but to identify key potential hazards to get TRC and other onsite personnel thinking about other potential safety hazards and mitigating actions for unsafe conditions and behavior during various works. TRC recognizes that JSA's may not cover every conceivable step or hazard that emerges during a job, so we've provided a "Field Change" section below to amend a JSA if required. The JSA does not supersede or replace any local, state or federal permit, regulation, statute or other entities policies and procedures but is simply a tool for enhancing the execution of safe work at a jobsite under TRC's supervision. Similarly, all subcontractors are required to provide their own JSA(s) for their specialty prior to performing any work for TRC or its customers in accordance with TRC's EHS Policy; however, any unsafe condition or hazard not covered in any JSA is ultimately the direct responsibility of the person or entity performing the work.

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State)	DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
TRC		
JSA WORK ACTIVITY (Description):	List of Contractor(s) and key work activity:	
Mob - Demob		

SITE SPECIFIC JSA AUTHOR	POSITION / TITLE	DEPT	SIGNATURE

"TRC APPROVED" JSA DEVELOPMENT TEAM	POSITION / TITLE	APPROVAL DATE

Required PPE (indicate with "R") vs. Must Have Available On-site (indicate "A")

__A__ REFLECTIVE VEST __A__HARD HAT __R__GLOVES **ANSI Cut Level 4** __A__SAFETY GLASSES _____GOGGLES _____FACE SHIELD	__A__ HEARING PROTECTION __R__SAFETY SHOES: Protective Toe _____ 5pt.HARNESS / LANYARD PPE CLOTHING: _____Coveralls ____Tyvek Suit _____Nomex ____Other (specify):	RESPIRATORY PROTECTION: ☒ NA _____Dust Mask _____½ face Air Purifying Respirator (APR) ___X_Particulate Mask: ☒ PM100 ☐ PM95 ____X_ Cartridge: ☒ P100-Multigas ☐ _____ _____Full face ARP; specify cartridge type: _____ Air Supplied Respirator _____SCBA _____Air-line	Additional PPE:

Always perform a Safety Assessment: 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.

[1] JOB TASKS	[2] POTENTIAL HAZARDS	[3] HAZARD CONTROLS (beyond wearing "Required" PPE)
1. Inspect Vehicle Equipment	a. Vehicle failures	a. Inspect fluids, tires, connections and safety equipment regularly. a. Inspect gas tank level. a. Note any hazards with vehicle and report to the appropriate employee/supervisor.
2. Loading/Unloading	a. Muscle strains, cuts and pinches	a. Ensure that appropriate PPE is worn and/or accessible including: ANSI cut level 4 Kevlar gloves, steel toed boots and safety glasses or goggles. a. Select vehicle size to meet project requirements. a. Prepare an equipment check off list. a. Use proper lifting techniques (Squat to lift and lower. Do not bend at the waist. Keep the weight as close to you as possible. Bow your back in and raise up with your head first. If you must turn, turn with your feet, not your body. Never jerk or twist! Put the weight down by keeping your low back bowed in. Keep you feet apart.), and if necessary (object > 50 lbs.) use additional mechanical lifting aid (tripod and winch) or additional labor. a. Get assistance for heavy objects (object > 50 lbs.).
3. Driving	a. Accidents	a. Pay attention to the task at hand. a. Do not use cell phone while driving. a. Obey traffic laws and drive defensively.
4. Arrival at site	a. Site conditions changed from plan	a. Observe traffic flow. a. Modify traffic control plan if necessary.
5. Loading/Unloading	a. Muscle strains, cuts and pinches	a. Ensure that appropriate PPE is worn and/or accessible including: ANSI cut level 4 Kevlar gloves, steel toed boots and safety glasses or goggles. a. Select vehicle size to meet project requirements. a. Prepare an equipment check off list. a. Use proper lifting techniques (Squat to lift and lower. Do not bend at the waist. Keep the weight as close to you as possible. Bow your back in and raise up with your head first. If you must turn, turn with your feet, not your body. Never jerk or twist! Put the weight down by keeping your low back bowed in. Keep yfou feet apart.), and if necessary (object > 50 lbs.) use additional mechanical lifting aid (tripod and winch) or additional labor.

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) **TRC**		DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
JSA WORK ACTIVITY (Description): **Mob - Demob**		List of Contractor(s) and key work activity:	
		a. Get assistance for heavy objects (object > 50 lbs.).	
6. Inspect Vehicle Equipment	a. Vehicle failures	a. Inspect fluids, tires, connections and safety equipment regularly. a. Inspect gas tank level. a. Note any hazards with vehicle and report to the appropriate employee.	
	LOCATION(S) WHERE HAZARD IS TO BE EXPECTED	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**	
1. Vehicle Rolling Unattended	a. When parked on slope or with engine idling.	a. All large trucks should use chocks at all times when parking or leaving the vehicle unattended. a. When parking on a hill or stopping with the engine idling, use parking brakes, parking gear if available and use chocks immediately upon leaving the driver's compartment. If other personnel are available ask them do the chocking before the driver exits the vehicle, then the driver should double-check the chocks. a. All towed trailers need chocking before disconnecting from main vehicle. a. Vehicles with leveling jacks do not need chocks if the jacks are in use.	
2.	a.	a.	
3.	a.	a.	

Field Notes:

LIMITATION: As part of TRC's EHS Policy, a JSA is provided by TRC for its employees. The purpose of a JSA is NOT to identify all hazards associated with a task, but to identify key potential hazards to get TRC and other onsite personnel thinking about other potential safety hazards and mitigating actions for unsafe conditions and behavior during various works. TRC recognizes that JSA's may not cover every conceivable step or hazard that emerges during a job, so we've provided a "Field Change" section below to amend a JSA if required. The JSA does not supersede or replace any local, state or federal permit, regulation, statute or other entities policies and procedures but is simply a tool for enhancing the execution of safe work at a jobsite under TRC's supervision. Similarly, all subcontractors are required to provide their own JSA(s) for their specialty prior to performing any work for TRC or its customers in accordance with TRC's EHS Policy; however, any unsafe condition or hazard not covered in any JSA is ultimately the direct responsibility of the person or entity performing the work.

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) **TRC**	DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
JSA WORK ACTIVITY (Description): **Excavation**	List of Contractor(s) and key work activity:	

SITE SPECIFIC JSA AUTHOR	POSITION / TITLE	DEPT	SIGNATURE

"TRC APPROVED" JSA DEVELOPMENT TEAM	POSITION / TITLE	APPROVAL DATE

Required PPE (indicate with "R") vs. Must Have Available On-site (indicate "A")

__R__ REFLECTIVE VEST __R__HARD HAT __R__GLOVES: **ANSI Cut Level 4 & 5 Kevlar** __R__SAFETY GLASSES _____GOGGLES _____FACE SHIELD	__A__ HEARING PROTECTION __R__SAFETY SHOES: Protective Toe _____ 5pt.HARNESS / LANYARD PPE CLOTHING: _____Coveralls ____Tyvek Suit _____Nomex ____Other (specify):	RESPIRATORY PROTECTION: ☐ NA __A____Dust Mask __A__½ face Air Purifying Respirator (APR) ___X_Particulate Mask: ☒ PM100 ☐ PM95 ____X_ Cartridge: ☒ P100-Multigas ☐ _____ _____Full face ARP; specify cartridge type: _____ Air Supplied Respirator _____SCBA Air-line	Additional PPE:

Always perform a Safety Assessment: 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.

[1] JOB TASKS	[2] POTENTIAL HAZARDS	[3] HAZARD CONTROLS (beyond wearing "Required" PPE)
1. Set-up Activities	a. Lack of concentration or focus	a. Review all plans (HASP, Work, Utility Plans, etc.) and logs in field notebook prior to starting a new task. Identify daily tasks and required personnel actions.
	b. Fire and explosion	b. No smoking or open flame. Periodically monitor ambient air concentrations with PID/LEL Meter. Shut down job and move personnel and equipment upwind if hydrocarbon concentrations are > 300 ppm or >10% of LEL. b. Place 2-20lb ABC Fire extinguishers in accordance with site safety officer's direction.
	c. Electric Shock / Electrocution	c. Have a qualified electrician from power company cut all power connections to the site and remove main breaker from power panel. c. De-Energize all circuits/power sources and follow TRC's Lock-Out, Tag-Out (LOTO) procedures.
	d. Malfunctioning Heavy Equipment Safety Devices	d. Perform all equipment and safety checks prior to event startup (per operating manual).
2. Excavation of HC Impacted Soil	a. Eye injury from flying debris.	a. Wear ANSI approved-safety glasses at all times.
	b. High Noise Level.	b. Wear Ear Plugs or Ear Muffs when equipment is operating onsite.
	c. Being struck by moving vehicles or equipment onsite.	c. Establish eye contact with operators when moving about. Use hazard communications contained in HASP.
	d. Cut/Pinched fingers or toes; and strained muscles	d. Wear proper work and protective clothing (long pants, sleeved-shirt, steel-toed boots, safety vest, safety glasses, and safety helmet) at all times while on jobsite. Wear ANSI cut level 4 or 5 Kevlar gloves. d. Lift heavy objects utilizing leg muscles and get assistance when equipment exceeds 50-lbs.
	e. Working with a high-vacuum "super-sucker" hose	e. Do not engage high vacuum hoses when personnel are within 18" of hose. e. Do not force vacuum hose if it becomes stuck, secure vacuum and lift out (get help if needed).
	f. Equipment tip over.	f. Watch equipment location & swing points, monitor live & dead loads adjacent to the excavation. f. Maintain 2-foot safety buffer at edge of excavation.

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) **TRC**		DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
JSA WORK ACTIVITY (Description): **Excavation**		List of Contractor(s) and key work activity:	
	g. Toxic Fumes h. Slip/trips and falls. i. Physical injury to visitors/spectators	g. Periodically monitor ambient atmosphere with PID or LEL meter. Shut down job and move personnel and equipment upwind if hydrocarbon concentrations are > 300 ppm or >10% of LEL. h. Maintain good house keeping - place unused equipment out of walkways and work areas. Clean-up all spills and debris. i. Control entry in work area using exclusions zones and use check-in logs (found in field notebook)	
3. Staging and dumping of HC Impacted Soil	a. Bad organization creating confusion and hazard	a. Identify staging area, clearly mark and keep area clear of parked vehicles or stored materials/equipment. a. Identify truck ingress/egress lanes and keep clear. a. Clear stockpile area (including overhead obstructions) so that loader bucket doesn't impact a surface appurtenance or overhead line.	
4. Clean-up	a. Slips, trips, and falls b. Storm water Run-off	a. Use good house-keeping, put equipment away as it is disconnected. b. Cover all impacted spoils piles and berm to contain storm water run-off .	
	LOCATION(S) WHERE HAZARD IS TO BE EXPECTED	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**	
1.	a.	a.	
2.	a.	a.	
3.	a.	a.	

Field Notes:

LIMITATION: As part of TRC's EHS Policy, a JSA is provided by TRC for its employees. The purpose of a JSA is NOT to identify all hazards associated with a task, but to identify key potential hazards to get TRC and other onsite personnel thinking about other potential safety hazards and mitigating actions for unsafe conditions and behavior during various works. TRC recognizes that JSA's may not cover every conceivable step or hazard that emerges during a job, so we've provided a "Field Change" section below to amend a JSA if required. The JSA does not supersede or replace any local, state or federal permit, regulation, statute or other entities policies and procedures but is simply a tool for enhancing the execution of safe work at a jobsite under TRC's supervision. Similarly, all subcontractors are required to provide their own JSA(s) for their specialty prior to performing any work for TRC or its customers in accordance with TRC's EHS Policy; however, any unsafe condition or hazard not covered in any JSA is ultimately the direct responsibility of the person or entity performing the work.

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State)	DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
TRC		
JSA WORK ACTIVITY (Description):	List of Contractor(s) and key work activity:	
Excavation Soil Sampling		

SITE SPECIFIC JSA AUTHOR	POSITION / TITLE	DEPT	SIGNATURE

"TRC APPROVED" JSA DEVELOPMENT TEAM	POSITION / TITLE	APPROVAL DATE

Required PPE (indicate with "R") vs. Must Have Available On-site (indicate "A")

__R__ REFLECTIVE VEST __R__ HARD HAT __R__ GLOVES **ANSI Cut Level 4** __R__ SAFETY GLASSES _____ GOGGLES _____ FACE SHIELD	__A__ HEARING PROTECTION __R__ SAFETY SHOES: Protective Toe _____ 5pt.HARNESS / LANYARD PPE CLOTHING: _____Coveralls ____Tyvek Suit _____Nomex ____Other (specify):	RESPIRATORY PROTECTION: ☐ NA __A__ Dust Mask __A__ ½ face Air Purifying Respirator (APR) __X__ Particulate Mask: ☒ PM100 ☐ PM95 __X__ Cartridge: ☒ P100-Multigas ☐ _____ _____ Full face ARP; specify cartridge type: _____ Air Supplied Respirator _____SCBA _____Air-line	Additional PPE:

Always perform a Safety Assessment: 1) prior to starting work; 2) when changing tasks; and 3) throughout the day. Focus on each new task, procedures, and skill sets to be used.

[1] JOB TASKS	[2] POTENTIAL HAZARDS	[3] HAZARD CONTROLS (beyond wearing "Required" PPE)
1) Soil Sampling Set-up	a. Slips, trips, and falls from water, soil piles, and collapsing sidewalls.	a. Conduct SPSA and maintain awareness of other activities occurring on site.
	b. Physical injury from being struck by moving vehicle and/or machinery.	b. Wear proper PPE and control access.
	c. Ingestion or contact from impacted soil and groundwater.	c. Use proper decontamination procedures. No eating or drinking in work zone. c. Decontaminate all sampling equipment and sample collection devices in an Alconox-type solution and store in clean, potable water.
	d. Flares, fire and explosion from ignited vapors.	d. Leave cell phones in vehicles and place "no smoking" signs where highly visible. d. Place first aid kit and fire extinguishers in highly visible, nearby location.
2) Soil Sampling	a. Slips, trips, and falls from water, soil piles, and collapsing sidewalls.	a. Conduct SPSA and maintain awareness of other activities occurring on site.
	b. Physical injury from being struck by moving vehicle and/or machinery	b. After showing sampling locations to backhoe operator, always stand well away from working arc of the backhoe. Only approach backhoe bucket after operator has completely stopped movement and established eye contact with sample taker.
	c. Ingestion or contact from impacted soil and groundwater.	c. Wear nitrile gloves when handling of soil. c. No eating, drinking, or smoking while conducting sampling activities or in the exclusion zone. c. Always wash hands prior to eating, drinking, or smoking away from site.

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State) **TRC**		DATE PREPARED FOR HSP:	☐ NEW ☒ REVISED from S: Drive
JSA WORK ACTIVITY (Description): **Excavation Soil Sampling**		List of Contractor(s) and key work activity:	
	d. Potential cross-contamination of soil sampling equipment.	d.Collect soil samples (if possible) from mounded soil that is not in contact with metal. d. Ensure soil samples are capped and placed in a clean, secure area after collection.	

	LOCATION(S) WHERE HAZARD IS TO BE EXPECTED	**[3] HAZARD CONTROLS (beyond wearing "Required" PPE)**
1.	a.	a.
2.	a.	a.
3.	a.	a.

Field Notes:

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Appendix I
Tailgate Meeting/Checklist

TAILGATE SAFETY MEETING CHECKLIST

Date / Time of Tailgate Meeting: _____

☐ **Vehicle Inspection:** Driver will perform Driver's Daily Vehicle Inspection Checklist before leaving the yard or if changing drivers during the day.

☐ **Personnel training/qualifications:** Check cards for OSHA HAZWOPER 40-hour certification/8-hour-refresher training (or any other specialized training to perform the task if appropriate). TRC personnel have been trained on the Company's Drug and Alcohol Policy and will inform all site personnel.

☐ **Supplies:** Indicate location of first aid kit, fire extinguisher, clean water supply (drinking, eye wash), and Site Health and Safety Plan (HASP).

☐ **Emergency services:** Discuss location of nearest telephone and directions to hospital. Map, directions, phone numbers are provided in the HASP (Attachment C).

- **First-Aid/CPR volunteers:** _____
  _____

☐ **Site background:** Discuss types, locations, and concentrations of chemicals found onsite, presence of free product, depth to groundwater, etc.

☐ **Offsite Permits/Access Permits:** Discuss any permitting requirements for the site.

[ ] **Work activities:** Discuss scope of work for the day and activities to be performed.

☐ **Potential hazards: Review JSAs.** Discuss physical, chemical and biological hazards Discuss the prohibiting of any eating, drinking, and/or smoking in the work zone.

☐ **Personal protective equipment (PPE):** Discuss required level of protection; review additional PPE requirements in JSAs, as needed.

☐ Hard Hat ☐ Safety Shoes/Boots ☐ Safety Vest ☐ Eye Protection - ☐ glasses

☐ goggles ☐ face shield ☐ Hand Protection - ☐ Kevlar ☐ nitrile ☐ other _____ ☐ Hearing Protection

☐ Respiratory Protection - ☐ APR Particulate ☐ APR Chemical cartridge ☐ other _____

☐ Protective Clothing - ☐ Tyvex ☐ Nomex ☐ Coveralls ☐ other _____

☐ **Utilities:** Utilities have been cleared/marked by appropriate divisions.

☐ **Traffic control** (vehicular and pedestrian): Work area is properly delineated and cordoned off from traffic. Technician will put a traffic cone at all four corners of his parked vehicle. Upon completion of work, walk around vehicle to pick up cones and check all four sides and underneath vehicle for obstacles prior to moving truck.

☐ **Dispenser Emergency Shut-off Switch:** Location has been identified/communicated with field personnel.

☐ **Dealer Notification:** Notify dealer/owner of site work activities to be performed.

Print Name	Signature
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Appendix J
WorkCare Program Information

WorkCare® Making Health Count

FACT SHEET

EARLY INCIDENT INTERVENTION®

Immediate Access to Medical Advice for Work Related Incidents

(888) 449-7787

INTRODUCTION

WorkCare, Inc. (WorkCare) and TRC have partnered together to promote Incident Intervention®, a resource designed to support company safety goals/targets—while reducing runaway-costs associated with workplace injuries and illnesses.

PURPOSE

Early Incident Intervention provides TRC employees with **IMMEDIATE** telephonic access to WorkCare clinicians at the time of a presumed, non-emergency workplace injury or illness. Clinicians provide expert guidance on the evaluation of symptoms, appropriate first aid, and the need for additional medical evaluation or treatment.

When utilizing this service within the first hour of an incident, known as the "Golden Hour," licensed medical staff can guide the case so that medical evaluation and treatment are rendered appropriately.

> ***"…helps the worker traverse the unpredictable terrain of work-related injuries and illness."***

PRINCIPLES OF EARLY INCIDENT INTERVENTION

- Utilizes principles of the "Golden Hour."
- Provides workers immediate clinician support at the time of an incident.
- Focuses on providing the right care, at the right time in the proper setting.

BENEFITS FOR EMPLOYEES

- Instant access to a medically qualified professional for evaluation of symptoms and possible outcomes.
- Professional guidance on appropriate first aid measures and medications.
- Professional advice regarding the need for additional medical evaluation or treatment.

BENEFITS FOR TRC

- Point of contact for emergency and non-emergency medical clinicians.
- Triages the incident to determine risk and urgency, delivering interventions that are consistent with medical guidelines for the specified injury and illness.
- Maintains communication with clinicians to ensure accurate and timely reporting.

Appendix K
Observation Documentation Form

TRC SAFETY OBSERVATION FORM

Revised January 2014

Location/Project Name: _____ **Date:** _____

Observer Name: _____

Observee Name: _____ **Time:** _____

Task Observed

Description of Task Observed and Background Information

Positive Comments

Conclusions / Why the Questionable Items Occurred?

Feedback Session Conducted By: _____ **Date:** _____

Name of Observee's Supervisor: _____ **Time:** _____

At-Risk Observations/Root Cause Analysis

Personal Factor:
(1) Lack of skill or knowledge
(2) Correct way takes more time/requires more effort
(3) Shortcutting standard procedures is rewarded or appreciated
(4) In past, did not follow procedures or acceptable practices and no incident occurred

Job Factor:
(5) Lack of or inadequate operational procedures or work standards
(6) Inadequate communication of expectations or work standards
(7) Inadequate tools or equipment

At-Risk Observation #	Root Cause Analysis #	Solution(s) To Prevent Potential Incident from Occurring	Person Responsible	Agreed Due Date	Date Completed

Results of Verification (were solutions done?) and Validation (were solutions effective?)

Reviewed by (PM/Supervisor): _____ **Date:** _____

Approved by (Practice Safety Leader): _____ **Date:** _____

Appendix L
Incident Reporting

TRC Incident Report Form

(To be completed immediately after an Injury, Illness, Incident, Accident or Significant Near Miss by Employee's Supervisor and Employee involved)

TO BE COMPLETED BY EMPLOYEE AND SUPERVISOR, AND SUBMITTED WITHIN 24 HOURS OF INCIDENT

Incident Category

☐ Employee Injury/Illness ☐ Near Miss/Loss ☐ Property Damage ☐ Vehicle Accident ☐ Fire ☐ Other

1	Incident Location:	
2	Site Identification/Project No.:	
3	Site Address:	
4	Date Incident Occurred:	
5	Time Incident Occurred:	
6	Date Incident Reported:	
7	Time Incident Reported:	
8	Was WorkCare Contacted? ☐ Yes ☐ No	
9	Client:	

TRC Employee Information

10	Name:		
11	Office/Address:		
12	Supervisor Name/Phone:		
13	Employee Phone/Cell:		
14	Title or Occupation:		
15	Sector/Practice:		

Type of Employee Injury or Illness (To be determined by Safety Director)

16	☐ First Aid Only	20	☐ Extended Time Away From Work (3 days or more)	
17	☐ Medical Treatment Only	21	☐ Fatality	
18	☐ Restricted Work-case	22	☐ Other (specify):	
19	☐ Lost Workday			
23	Estimated Number of Days on Restricted Work:			
24	Estimated Number of Days Away from Work:			

Employee Injury or Illness Description

25	Describe the Injury or Illness:		
26	First Aid/Medical Treatment Administered:		
27	Name of Doctor's Office, Clinic, or Hospital:		
28	Address/Phone:		

TRC Incident Report Form

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TO BE COMPLETED BY EMPLOYEE AND SUPERVISOR, AND SUBMITTED WITHIN 24 HOURS OF INCIDENT

Incident Description

29	Equipment Involved:
30	Site Description:
31	Task Being Performed at Time of Incident:
32	Describe Incident in Detail:
33	Conditions at Time of Incident (weather, lighting, etc.):

34	Motor Vehicle Accident:	
35	TRC Vehicle ID:	
36	Year/Make/Model:	

☐ DOT Regulated Vehicle ☐ Towed From Scene ☐ Airbag Deployed ☐ Seatbelt in Use ☐ TRC Fleet ☐ Rental ☐ Personal Vehicle

37	Other Vehicle License Plate:	
38	Other Vehicle Year/Make/Model:	
39	Other Vehicle Driver Name:	
40	Other Vehicle Insurance:	
41	Other Injured Parties: ☐ Yes ☐ No	
42	Description of Other Injuries:	

Subcontractor Involvement / Description of Incident

43	Subcontractor Involved: ☐ Yes ☐ No	
44	Name of Company:	
45	Address:	
46	Contact Name and Phone Number:	
47	Subcontractor Description of Incident:	

TRC Incident Report Form

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TO BE COMPLETED BY EMPLOYEE AND SUPERVISOR, AND SUBMITTED WITHIN 24 HOURS OF INCIDENT

Witness Involvement / Description of Incident

48	Witnesses to Incident: ☐ Yes ☐ No
49	Name(s) and Address(es):
50	Phone Number(s):
51	Witness Description of Incident:

Personal Protective Equipment (PPE)

52	List PPE Required to Complete the Task (glasses, gloves, shoes, hard hat, respirator, hearing protection, etc.):
53	List the PPE Employee Used at the Time of Incident:

Immediate Corrective Actions

54	Describe the Immediate Corrective Actions Taken:

Immediate Supervisor: _____ Signature: _____ Date: _____

Employee: _____ Signature: _____ Date: _____

TRC

TRC Incident Report Form

(To be completed immediately after an Injury, Illness, Incident, Accident or Significant Near Miss by Employee's Supervisor and Employee involved)

TO BE COMPLETED BY SUPERVISOR WITH ASSISTANCE FROM RMD SAFETY COORDINATOR AND TRC SAFETY DIRECTOR

Supervisor's Post-Incident Review and Recommendations

Safety Violation	☐ Yes	☐ No

55	State the Company Safety Rule, OSHA Regulation, or Specific Training that was Violated:
56	Describe the Training the Employee Received to Prevent this Violation:

#	Root Cause Factors (RCF)
#1	Lack of skill or knowledge
#2	In the past, did not follow procedures or acceptable practices, and no incident occurred (injury, product quality incident, equipment damage, regulatory assessment or production delay)
#3	Doing the job according to procedures or acceptable practices takes more time/effort
#4	Short-cutting procedures or acceptable practices are positively reinforced or tolerated
#5	Lack of or inadequate operational procedures
#6	Inadequate communication of expectations regarding procedures or acceptable practices
#7	Inadequate tools or equipment (available, operable and safely maintained, proper task and workplace design)
#8	External factors

57	Root Cause(s)	Identified Root Cause(s):							
		#1	#2	#3	#4	#5	#6	#7	#8
A		☐	☐	☐	☐	☐	☐	☐	☐
B		☐	☐	☐	☐	☐	☐	☐	☐
C		☐	☐	☐	☐	☐	☐	☐	☐
D		☐	☐	☐	☐	☐	☐	☐	☐
E		☐	☐	☐	☐	☐	☐	☐	☐
F		☐	☐	☐	☐	☐	☐	☐	☐
G		☐	☐	☐	☐	☐	☐	☐	☐
H		☐	☐	☐	☐	☐	☐	☐	☐

TRC Incident Report Form

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TO BE COMPLETED BY SUPERVISOR WITH ASSISTANCE FROM RMD SAFETY COORDINATOR AND TRC SAFETY DIRECTOR

58 **Conclusion: Why did the Incident Occur?**

59

Item No.	RCF No.	Recommended Corrective Action(s) How to Prevent Incident from Reoccurring	Responsible Person	Due Date	Completed (date)	Verified/ Validated (date)

Supervisor: _____ Signature: _____ Date: _____

TRC Safety Director: _____ Signature: _____ Date: _____

Appendix M
Acknowledgement

PERSONAL ACKNOWLEDGEMENT

A component of the Health and Safety Plan (HASP), designed to provide personnel safety during this subsurface investigation requires that you receive training as described in the HASP prior to working at this site. Additionally, you are required to read and understand the HASP. When you have fulfilled these requirements, please sign and date this personal acknowledgement:

Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date
Name (Printed)	Signature	Date

Revised Response Plan for the Gage Avenue and Fletcher Dumps

City of Commerce and Comstock Gage, LLC
c/o 1801 Century Park East, Suite 1095
Los Angeles, California 90067
310-729-2929

SCS ENGINEERS

01219180.00 | February 2020

3900 Kilroy Airport Way
Suite 100
Long Beach, CA 90806
562-426-9544

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5 Proposed Deep Soil Sample and Groundwater Well Locations

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B Soil Sampling Plan
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Acronyms/Abbreviations

ACM	Asbestos containing material
ASTM	American Society of Testing and Materials
AP	Alquist-Priolo
APN	Assessor's parcel number
bgs	below ground surface
BMP	Best Management Practice
CAM	California Assessment Manual
CalRecycle	California Department of Resources Recycling and Recovery
Caltrans	California Department of Transportation
CDWR	California Department of Water Resources
CGP	Construction General Permit
City	City of Commerce
CHHSLs	California Human Health Screening Levels
CIH	Certified Industrial Hygienist
COC	Chemical of Concern
DTSC	California Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
GPS	Global Positioning System
GRO	Gasoline range organics
LEA	Local Enforcement Agency
HASP	Health and Safety Plan
MDL	Method Detection Limit
msl	mean sea level
PLS	Professional Land Surveyor
PPE	Personal protective gear
PCB	Polychlorinated biphenyls
OSHA	Occupational Safety and Health Association
PM10	Particulate matter less than 10 microns in diameter
QAPP	Quality Assurance Project Plan
REC	Recognized Environmental Conditions
RCRA	Resource Conservation and Recovery Act
RSL	EPA Region 9, Regional Screening Level
RWQCB	Regional Water Quality Control Board
SCAQMD	Southern California Air Quality Management District
SSP	Soil Sampling Plan
SVOC	semi-volatile organic compound
SWIS	Solid Waste Information System
SWRCB	State Water Resources Control Board
TPH	total petroleum hydrocarbons
USGS	United States Geological Survey
VOC	volatile organic compound

1.0 INTRODUCTION

1.1 OVERVIEW

This Response Plan (Response Plan or Plan) was prepared by SCS Engineers (SCS) on behalf of Comstock Gage, LLC (Comstock) and the City of Commerce (City) for the clean closure of the former solid waste landfills designated the Gage Avenue and Fletcher Dumps, located at 7316 Gage Avenue and Veterans Memorial Park (Park) at 6364 Zindell Avenue respectively, in the City of Commerce, California. For purposes of this document, the Park property will be referred to as the Site and the eastern portion of the Gage Avenue Dump will be referred to as the "Eastern Parcel." The combined Site and Eastern Parcel will be referred to collectively as the Project. A map showing the general location of the Project and surrounding area is provided as **Figure 1**.

This Plan is being implemented under the lead oversight of the Los Angeles Regional Water Quality Control Board (RWQCB) in general accordance with the provisions of the California Land Reuse and Revitalization Act (CLRRA) of 2004 and responds to comments from the RWQCB as set forth in its letter of February 10, 2020. Specifically, Comstock has entered into a CLRRA Agreement with RWQCB to implement the Response Plan with respect to the Site, which is currently owned by the City, to enable response action to be completed at the Site concurrently with remedial work identified in the Remedial Action Plan (RAP) previously approved by RWQCB on August 4, 2016 with respect to the Eastern Parcel of the former Gage Avenue Dump. However, this Plan will incorporate activities for the entire Project.

Prior environmental assessment activities for the Project have determined that subsurface materials (soil and waste materials) within the waste mass have indicated that volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and certain metals due to historic landfilling operations are the primary Chemicals of Concern (COC) with respect to the Project. Comstock has entered into a CLRRA Agreement with the goal of developing the Site as part of the Project, which will be utilized for recreational, commercial and residential uses. Control and cleanup activities were designed to allow redevelopment of the Site and the Eastern Parcel. This Plan presents a summary of the preferred remedial technology selected to address the COCs and conditions at the Project with the objectives of protecting human health (for the proposed land use) and reducing the potential for groundwater impacts by removing all buried landfill material..

The Plan achieves Project remediation through clean closure consisting of the following:

- Total excavation and removal from the Site and Eastern Parcel, of all buried landfill waste material;
- Confirmation sampling of the excavation floor and sidewalls to demonstrate removal of COCs; and
- Confirmation sidewall soil sampling to demonstrate removal of landfill debris, impacted media, and/or removal of COCs.

1.2 OBJECTIVES

This Plan presents the activities performed to date to assess the environmental impacts to the Project as well as the proposed implementation plan to prepare the Site and Eastern Parcel for redevelopment that is protective of human health and the environment.

The objectives of this Plan are:

- Summarize environmental conditions at the Project and identify a remedy that will be protective of human health and the environment given anticipated land use; and

- Provide technical information to support the public participation process as part of the regulatory and administrative review and approval process.

Upon approval of this Plan by the RWQCB, Comstock and the City acknowledge that the RWQCB shall retain oversight of the implementation and rights to approval of the completed response actions herein pursuant to CLRRA, as to the Site, and pursuant to the RAP as to the Eastern Parcel.

1.3 PLAN ORGANIZATION

The remainder of this Plan is structured to address the regulatory requirements as follows:

- **Section 2: Project Background**, which summarizes the Project history, background, usage, prior investigations/remediation, regulatory context, and proposed redevelopment plan.

- **Section 3: Project Conceptual Model**, which describes the origin and extent of contaminants affecting the Project.

- **Section 4: Remedial Action Plan (RAP)**, which describes the remedial action objectives (RAOs) of the remedial action, proposed cleanup criteria, subsequent groundwater well installation and monitoring, as well as the regulatory framework guiding the implementation.

- **Section 5: References** used in preparation of this Plan

2.0 PROJECT BACKGROUND

2.1 PROJECT DESCRIPTION

The Site is part of the 17.32-acre development which includes the Eastern Parcel of the former Gage Avenue Dump which is designated APN 6357-018-005 and is currently a 7.92-acre vacant parcel. The Site itself consists of the following assessor parcel numbers (APNs):

- APN 6357-018-900: 4.98-acre portion of the Park

- APN 6357-019-904: 4.40-acre portion of the Park

- APN 6357-019-905: 0.02-acre portion of the Park

The eastern approximately two-thirds of the Project (APNs 6357-018-005 and 6357-018-900) is identified in the California Department of Resources, Recycling and Recovery (CalRecycle) Solid Waste Information System (SWIS) database, as the Gage Avenue Dump (SWIS ID 19-AA-5543). As to this portion, RWQCB previously approved a RAP on August 4, 2016 for the Eastern Parcel. The western third of the Project (APN 6357-019-904) is the former Fletcher Dump (also known as Doris Haney Johnes Dump) which does not have a SWIS ID.

Figure 2 is a plan view showing an aerial photograph of the Project and surrounding properties. The Project is bounded to the:

- North by East Slauson Avenue, the Ramada Inn property, and commercial and residential properties;
- East by the Interstate 5 (Santa Ana) freeway;
- South by the Rio Hondo River Channel, a concrete lined flood control channel, and the Rio Hondo percolation basin; and
- West by residential properties.

2.2 PROJECT HISTORY AND OPERATIONS

Based on historical investigation including review of aerial photographs the Project was:

- Undeveloped prior to 1947.
- Used for agricultural purposes from 1947 to 1950.
- The eastern approximately two-thirds of the Project was a disposal facility, permitted by Los Angeles County, that was owned and operated by L.A. By-Products, Inc. from 1950 to 1954. This portion of the Project was known as the Gage Avenue Dump, and reportedly accepted municipal solid wastes, construction debris, and inert fill materials.
- Following landfill closure:
  - The Eastern Parcel was improved in 1958 with a 52,160 square-foot rectangular commercial building and railroad spur constructed over the eastern one-third of the Eastern Parcel. The commercial building was demolished in 1992; and
  - The Site, i.e., the remainder (western portion) of the Gage Avenue Dump together with additional acreage to the west which was also used for disposal, (operating as the Fletcher Dump from 1941 to 1944, and as the Doris Haney Johnes Dump from 1945 to 1948) was acquired by the City and improved together with additional acreage with a public park in the mid-1960s.
- Park improvements, including a recreation building and adjacent tennis courts, constructed in 1970, reportedly involved excavation and removal of all or most waste fill in an approximately 1 acre area at the western edge of the Site.

2.3 PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

The Project totals approximately 17.32 acres (Figure 2), including the access roads, and its dimensions vary from approximately 1,200 feet long in an east-west direction and approximately 400 to 700 feet in a north-south direction (Figure 2) and can be divided into the following three sections:

- The Site (aka western parcel of Gage Avenue Dump and Fletcher Dump)

- Western Parcel of Gage Avenue Dump. This parcel is the eastern half of Veterans Memorial Park and the surface is generally flat and developed for various recreational activities (ballpark, etc.). Based on soil boring data (LeRoy Crandall & Assoc., 1963), waste thickness is approximately 15 to 17 feet.

- Fletcher Dump (also known as Doris Haney Johnes Dump). This parcel is the western half of Veterans Memorial Park, and the surface is generally flat and developed for various recreational activities (ballpark, etc.). Based on soil boring data (LeRoy Crandall & Assoc., 1963), waste thickness ranges from approximately 11 to 28 feet.

- Eastern Parcel (aka Gage Avenue Dump, Eastern Parcel).

  - The waste disposal area surface is generally flat with numerous slight depressions (less than 1 foot in depth) in relation to the surrounding area. The cover soil ranges from 3 to 5 feet in thickness. In the northern and central portions average waste thickness is approximately 15 feet, assuming 4 feet of soil cover. In the southern portion, the average waste thickness is 16 feet (Sladden, 2004).

2.3.1 Regional Hydrology and Geology

The Project is centrally situated at the southern edge of the Montebello Plain physiographic feature within the Coastal Plain of the Los Angeles Basin. According to published geologic maps and cross sections (CDWR, 1961), the Project overlies late Pleistocene-age sediments of the Lakewood Formation. The Lakewood Formation is described as being sedimentary in origin and consists of marine and continental gravel, sand, silty sand, silt, and clays. The Project lies within the Central Groundwater Basin, a subdivision of the Coastal Plain of Los Angeles County east and northeast of the Newport-Inglewood uplift. Local hydrostratigraphic features (from shallowest to deepest) include the Bellflower aquiclude, Exposition aquifer, and Gage aquifer, all within the Lakewood Formation. Deeper hydrostratigraphic features of the underlying San Pedro Formation include the Hollydale aquifer, Lynwood aquifer, Silverado aquifer, and Sunnyside aquifer. The aquifers of the Central Groundwater Basin are generally separated by low-permeability aquitards that limit vertical groundwater conductance between aquifers (CDWR, 1961).

The Project is located approximately 7 miles west of the Elsinore fault zone, Whittier section; 6 miles southwest of the East Montebello fault; and 10 miles east and northeast of the Newport-Inglewood-Rose Canyon fault zone. The Project does not appear in Alquist-Priolo (AP) Earthquake Fault Zones.

2.3.2 Local Hydrology and Geology

Project elevation ranges from approximately 140 to 145 feet relative to mean sea level (msl) with the surface elevation sloping gently towards the south (USGS, 1981). Current depth to first groundwater is estimated at approximately 90 feet below ground surface (bgs) or greater. According to the groundwater monitoring reports posted on GeoTracker for the Arco Facility #1682, located at 7667 East Slauson Avenue, approximately 525 feet north-northeast of the Project, the regional groundwater flow direction is south-southeast towards the Rio Hondo River Channel. Historical groundwater monitoring events conducted at the former Mobil Service Station, located at 7724 Telegraph Road (approximately 100 feet to the north), indicate depth to groundwater in monitoring well MW-7A, fluctuating from 73.70 to 104.57 feet bgs. The highest historical groundwater elevation was recorded in 2005 at 82.28 feet relative to msl. Those nearby properties are no longer conducting groundwater monitoring, however the Baker Hughes facility at 7400 East Slauson Avenue (about 2,000 feet to the northwest) indicates groundwater at an elevation of approximately 33 to 37 feet relative to msl in May 2019.

The maximum excavation depth of the remediation activities described by the Plan is approximately 25 feet below ground surface (bgs), meaning approximately 35 feet of native soil will remain between the highest historical groundwater elevation and the excavation floor.

Soil boring logs from a 2004 geotechnical investigation by Sladden Engineering indicate the soil (up to 80.5 feet bgs) underlying the Eastern Parcel consists of silty sand, sandy silt, and fine-to coarse-grained alluvial sand with gravel (Sladden 2004). Groundwater was not encountered during the Sladden Engineering investigation. Borings drilled in the western parcel of the Gage Dump and the Fletcher Dump (LeRoy Crandall & Assoc., 1963) found predominantly fine grained sand with some silty sand, clayey silt, silty clay, and clay layers below the waste. Borings were drilled to a maximum depth of 80 feet below ground surface (bgs) and did not encounter groundwater.

2.4 SUMMARY OF PREVIOUS INVESTIGATIONS

2.4.1 1963 Foundation Investigation

In a 1963 Foundation Investigation of the Site, LeRoy Crandall & Associates drilled and sampled 13 borings on what is now Veterans Memorial Park, which includes the western half of the Gage Dump and essentially all of the Fletcher Dump. Borings were drilled to a maximum depth of 50 feet bgs and selected intervals were sampled for geotechnical parameters. Waste-containing fill was found to be between 11 and 28 feet thick. The description of the wastes encountered included wood, concrete, tire casings, metal, rubber gaskets, glass, brick, wire, tile, and chunks of concrete. The approximate locations of the boings are shown in **Figure 3**.

2.4.2 1998 Soils Investigation

In a 1998 soils investigation of the Eastern Parcel, Duco Engineering, Inc. drilled eight borings to determine the depth of refuse, and excavated six test pits to determine the northerly limits of the Gage Avenue Dump. Borings were drilled to a maximum depth of 75 feet bgs and selected intervals were sampled for geotechnical parameters. The maximum depth of waste varied between 10 and 23 feet in the borings. The description of the wastes encountered included wood, tar paper, tire beads, glass, wire, paper, and concrete. The approximate location of the borings and trenches are shown in **Figure 3**.

2.4.3 2004 Geotechnical Investigation

In a 2004 Geotechnical Investigation of the Eastern Parcel, Sladden Engineering advanced nine soil borings up to 80.5 feet bgs to determine depth and density of onsite disposal waste, and underlying soil lithology and density. Waste was reported at depths of 7 to 29 feet bgs at one boring location. The description of the wastes encountered included wood, rubber, tires, concrete, and debris. The approximate locations of the boings are shown in **Figure 3**. In addition, the 2004 investigation reportedly included 218 supplemental borings in a 40-foot grid pattern to further evaluate the conditions and depth of the disposal wastes (TRC, 2013a).

2.4.4 2013 Phase I Environmental Site Assessment

In April 2013, TRC conducted a Phase I Environmental Site Assessment (ESA) for the Eastern Parcel to identify Recognized Environmental Conditions (RECs) (as defined by the ASTM E 1527-05 standard). A number of tasks were conducted, including:

- Eastern Parcel and vicinity reconnaissance;
- Eastern Parcel and vicinity description and physical setting;

- Source review and description of historical conditions on the Eastern Parcel;
- Review of environmental databases and regulatory agency records;
- Review of previous environmental reports/documentation, as applicable; and
- Preparation of a report summarizing findings, opinions and conclusions.

Only limited information was available on Eastern Parcel history with respect to the nature and extent of landfill disposal activities conducted in the 1940s and 1950s.

2.4.5 2013 Limited Environmental Assessment

In June 2013, TRC conducted a Limited Phase II ESA for the Eastern Parcel consisting of the excavation and sampling of five trenches, designated T-1 through T-5, located in the eastern portion of the former Gage Avenue Dump in order to characterize the nature of the disposed waste. The approximate location of the trenches is presented in **Figure 3**.

Eighteen composited waste samples from the five trenches were analyzed for Total Petroleum Hydrocarbons (TPH) carbon chain (C8-C44) by EPA Method 8015, volatile organic compounds (VOCs) by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, organochlorine pesticides (pesticides) and polychlorinated biphenyls (PCBs) by EPA Method 8080, and RCRA Title 22 metals by EPA Methods 6010B/7000. TRC compared analytical results to the current (2014) EPA Regional Screening Levels (RSLs) for Industrial soil. Analytical results from composite samples and commentary of the 2013 industrial RSLs are summarized below:

- TPH results:
  - Gasoline-range organics (C4 to C12) were detected in 14 of the 18 composite samples at levels up to 39 mg/kg.
  - Total TPH (C8 to C44) was detected in all of the composite soil samples at levels up to 8,500 mg/kg.

- VOCs were detected in 16/18 composite samples, with the following detected concentrations:
  - 1,2,4-Trimethylbenzene: 0.0018 to 0.045 mg/kg
  - Benzene: 0.0015 to 0.0067 mg/kg
  - Ethylbenzene: 0.0020 to 0.027 mg/kg
  - Toluene: 0.0014 to 0.0019 mg/kg
  - Total Xylenes: 0.0045 to 0.013 mg/kg
  - Naphthalene: 0.012 to 0.057 mg/kg
  - No other VOCs were detected
  - All VOC detections were below the RSL for industrial use

- SVOCs were not detected in any of the 18 composite samples analyzed.

- Pesticides were detected in 13/18 composite samples, with the following detected concentrations:
  - 4,4'-DDD: 0.013 to 28 mg/kg, which is above industrial RSLs
  - 4,4'-DDE: 0.0063 to 1.1 mg/kg, which is below industrial RSLs
  - 4,4'-DDT: 0.0052 to 7.8 mg/kg, which is above industrial RSLs
  - Dieldrin: 0.056 to 9.6 mg/kg, which is above industrial RSLs
  - Endrin: 0.0084 to 0.59 mg/kg, which is below industrial RSLs

- PCBs were detected in 1/18 samples at 0.47 mg/kg, which is below the industrial RSL

- Metals results:
  - Except for arsenic and lead, discussed below, other RCRA metals (barium, cadmium, chromium, mercury, selenium, and silver) were either not detected, or were detected at concentrations significantly below the RSL for industrial soil.
  - Arsenic concentrations up to 23 mg/kg were detected in the composite soil samples.
  - Lead concentrations up to 1,400 mg/kg were detected in the composite soil samples.

In addition, two excavation bottom soil samples from two of the exploratory trenches were collected and analyzed during this investigation to evaluate soil conditions underlying the waste area. The approximate location of the bottom samples is presented in **Figure 3**. TRC compared analytical results to the 2013 RSLs for Industrial soil. Analytical results from excavation bottom samples and commentary of the 2014 industrial RSLs are summarized below:

- TPH results:
  - Gasoline-range organics (C4 to C12) were detected in one of the bottom samples (T4-18) at 0.46 mg/kg.
  - TPH (C8 to C44) was detected in one of the bottom samples (T4-18) at 2,400 mg/kg.

- VOCs were detected in bottom sample T4-18, with the following detected concentrations:
  - Benzene: 0.0022 mg/kg
  - Ethylbenzene: 0.0027 mg/kg
  - Naphthalene: 0.014 mg/kg
  - No other VOCs were detected
  - All VOC detections were below the RSL for industrial use

- SVOCs were not detected in either of the 2 bottom samples analyzed.

- Pesticides were not detected in either of the 2 bottom samples analyzed.

- No PCBs were not detected in either of the 2 bottom samples analyzed.

- Metals results:
  - Except for arsenic and lead, discussed below, RCRA metals (barium, cadmium, chromium, mercury, selenium, and silver) were either not detected, or were detected at concentrations significantly below the RSL for industrial soil.
  - Arsenic concentrations of 1.8 and 4.3 mg/kg were detected in the excavation bottom samples. These concentrations are within the range of concentrations usually considered as soil background in southern California.
  - Lead concentrations of 1.8 and 1,100 mg/kg were detected in the excavation bottom samples.

The investigation also identified one groundwater monitoring well in the southwest corner of the eastern parcel of the Gage Dump. The well was dry and soil was encountered in the 4-inch diameter well at 84.49 feet below the top of the well casing when measured on January 21, 2014. No other groundwater monitoring wells were identified during the assessment. However, as noted by Partner (Partner 2012), "A total of three groundwater monitoring wells were observed onsite during the Eastern Parcel reconnaissance."

On December 19, 2019, SCS opened and sounded five potential wells located on the Project. Of the five locations, three were identified as groundwater wells, one was a piezometer, and one was a

vapor probe. SCS staff sounded the three groundwater wells and determined that all three were dry, with a total depth of 90-91 feet bgs. The location of the three wells is presented on **Figure 3**.

2.4.6 2014 Additional Eastern Parcel Assessment

In January 2014, additional excavation was conducted on the Eastern Parcel. TRC observed further limited exploratory excavation and collected soil samples for analysis during the test pit work and material screening performed by B&D Construction Company, Inc. (B&D).

B&D's exploratory work involved the excavation of four test trenches (Identified as T-6 through T-9), each with an excavation floor footprint of approximately 20 by 50 feet. In addition, B&D excavated a 100- by 100-foot test pit, designated TP-1. The approximate location of the trenches and pit is presented in **Figure 3**.

The test pit and trenches were excavated to varied depths, ranging from 15 to 26 feet bgs to expose the native soil underlying the disposed waste. After on-site screening for size, down to material passing through a 3/8-inch sieve, TRC collected five material samples for analysis of the same analytes used in the 2013 trenching investigation. Analysis indicated the presence of TPH, three different VOCs, one SVOC, five pesticides, and various metals in the composited waste samples. PCBs were not detected in any of the composite samples. While full detailed results are contained in the TRC RAP from 2015 (TRC 2015), analytical results from composite samples and TRC commentary on comparison to the 2014 industrial RSLs are summarized below:

- TPH results:
  - Gasoline-range organics (C4 to C12) were detected in 1 of the 5 composite samples at 0.13 mg/kg.
  - Total TPH (C8 to C44) was detected in 4/5 composite soil samples at levels up to 1,100 mg/kg.

- VOCs were detected in 4/5 composite samples, with the following detected concentrations:
  - Benzene: One detection of 0.0018 mg/kg
  - Ethylbenzene: Two detections of 0.0023 and 0.024 mg/kg
  - Naphthalene: Two detections of 0.0037 and 0.079 mg/kg
  - No other VOCs were detected
  - All VOC detections were below the RSL for industrial use

- SVOCs were detected in 1/5 composite samples, with the following detected concentrations:
  - Benzo(a)anthracene: One detection of 0.11 mg/kg
  - Chrysene: One detection of 0.16 mg/kg

- Pesticides were detected in 4/5 composite samples, with the following detected concentrations:
  - 4,4'-DDD: 0.0032 to 40 mg/kg, which is above industrial RSLs
  - 4,4'-DDE: 0.0063 to 1.1 mg/kg, which is below industrial RSLs
  - 4,4'-DDT: 0.0013 to 170 mg/kg, which is above industrial RSLs
  - Dieldrin: 2.7 and 6.1 mg/kg, which is above industrial RSLs
  - Endrin: 0.19 to 6.1 mg/kg, which is below industrial RSLs

- PCBs were note detected in any of the composite samples

- Metals results:
  - Except for arsenic and cadmium, discussed below, other RCRA metals (barium, chromium, lead, mercury, selenium, and silver) were either not detected, or were detected at concentrations significantly below the RSL for industrial use.
  - Arsenic concentrations ranging from 5.2 to 27 mg/kg were detected in the composite soil samples.
  - One sample had a cadmium detection of 84, mg/kg, which is above the industrial RSL. All other composite samples were below the industrial RSLs.

TRC also collected six bottom samples from TP-1 and T-6 through T-8. A water pipeline was encountered within the excavation of T-9, limiting the accessibility of the excavator, and thus no excavation bottom or screened soil samples were collected in this location. The approximate location of the bottom samples are presented in **Figure 3**. Analytical results from excavation bottom samples along with TRC commentary on applicability of 2014 RSLs are summarized below:

- TPH results:
  - Gasoline-range organics (C4 to C12) were not detected in any of the bottom samples.
  - TPH (C8 to C44) was not detected in any of the bottom samples.

- VOCs were not detected in any of the bottom samples.

- SVOCs were detected in any of the bottom samples analyzed.

- Pesticides were detected in 1/6 bottom samples analyzed. 4-4'-DDT was detected at a concentration of 0.0010 mg/kg.

- No PCBs were not detected in any of the bottom samples analyzed.

- Metals results:
  - Except for arsenic, discussed below, RCRA metals (barium, cadmium, chromium, lead, mercury, selenium, and silver) were either not detected, or were detected at concentrations significantly below the RSL for residential use soil.
  - Arsenic concentrations ranging from 0.68 to 3.9 mg/kg were detected in the excavation bottom samples. These concentrations are within the range of concentrations usually considered as soil background in southern California.

2.4.7 2015 Landfill Gas Investigation

In 2015, Ninyo & Moore conducted a landfill gas (LFG) investigation that included the Project (Site and Eastern Parcel), as well as the former Salvage Corporation/Freight Terminals property to the west, the adjacent Ramada Inn property to the north, and the Travelodge property to the east across the Interstate 5 Freeway. The work was conducted for CalRecycle by Ninyo and Moore (Ninyo 2014).

A total of 10 of the 17 borings (LFG-1 through LFG-5, WLFG-1, WLFG-12, LFG-13, HA-1 and HA-2) installed were located on or adjacent to the Project. Of these 10 borings, six (LFG-1 through LFG-5 and LFG-13) were located around the perimeter of the Project and four were located within the waste footprint of the Fletcher (WLFG-12) and western portion of the Gage Avenue Dump (WLFG-1, HA-1 and HA-2). Seven of the 10 borings were converted to landfill gas monitoring wells (LFG-1 through LFG-5, WLFG-1, and WLFG-12). The approximate locations of the borings/wells are presented in **Figure 3**.

No waste was encountered in any of these six perimeter borings, while waste was encountered in the Fletcher Dump footprint to a depth of 15 feet and within the western portion of the Gage Avenue Dump to a depth of 16 feet. Out of the 10 borings, four material samples were analyzed for TPH via EPA Method 8015M, one material sample was analyzed for VOCs, six material samples were analyzed for SVOCs via EPA Method 8270C, one material sample was analyzed for pesticides via EPA Method 8081A, one material sample was analyzed for PCBs via EPA Method 8082, and 13 material samples were analyzed for CCR Title 22 metals via EPA Methods 6010B/7417. Analytical results from in-refuse samples along with Ninyo commentary on applicability of 2015 residential and industrial RSLs are summarized below:

- TPH results:
  - Gasoline-range organics (C4 to C12) were detected in one material sample (HA-1 @ 5 feet bgs) at a concentration of 0.53 mg/kg.
  - TPH Diesel (C13-C22) was detected in 4/4 samples at levels from 29 to 210 mg/kg.
  - TPH Motor Oil (C23-C40) was detected in 4/4 samples at levels from 220 to 1,800 mg/kg.

- VOCs were not detected in the one sample analyzed (WLFG-12 @ 6 feet bgs).

- SVOCs were detected in 6/6 samples, with the following detected concentrations:
  - Benzo(a)anthracene: One detection of 0.86 mg/kg, which is above residential RSLs and below industrial RSLs.
  - Bezo(b)fluoranthene: Two detections (0.14 and 1.5 mg/kg), with the lower sample below residential RSLs and the higher sample between residential and industrial RSLs.
  - Benzo(k)fluoranthene: Two detections (0.11 and 1.6 mg/kg), which are both above between residential and industrial RSLs.
  - Benzo(a)pyrene: One detection of 1.4 mg/kg, which is above the industrial RSL.
  - Benzo(g,h,i)perelyene: One detection, which does not have a specific RSL.
  - Benzoic acid: Three detections ranging from 0.29 to 2.0, all of which are below the residential RSL.
  - Bis(2-ethylhexyl)phthalate: One detection of 0.20 mg/kg which is below the residential RSL.
  - Butyl benzyl phthalate: One detection of 0.32 mg/kg, which is below the residential RSL.
  - Chrysene: Two detections (0.13 and 1.5 mg/kg), both of which are below residential RSLs.
  - Dibenz(a,h)anthracene: One detection of 0.30 ng/kg, which is above the industrial RSL.
  - Di-n-butyl phthalate: One detection of 0.22 mg/kg, which does not have a specific RSL.
  - Fluoranthene: Two detections (0.12 and 0.72 mg/kg), both of which are below the residential RSL.
  - Indeno(1,2,3-cd)pyrene: One detection of 0.60 mg/kg, which is between the residential and industrial RSLs.
  - Pheneanthrene: One detection of 0.13 mg/kg, which does not have a specific RSL.
  - Pyrene: Three detections ranging from 0.11 to 1.0, all of which are below residential RSLs.
  - Phenol: One detection of 0.81, which is below the residential RSL.

- Only one pesticide (4,4'-DDE) was detected at 0.016 mg/kg, which is below the residential RSL.

- PCBs were not detected in the one sample analyzed (WLFG-12 @ 6 feet bgs).

- Metals results:
  - Except for arsenic, lead, and thallium, discussed below, Title 22 metals (antimony, barium, beryllium, cadmium, cobalt, copper, mercury, molybdenum, nickel, selenium, silver, vanadium, and zinc) were either not detected, or were detected at concentrations below the RSL for residential use soil. Note that total chromium concentrations ranged from 19 to 230 mg/kg, with no associated RSL listed by Ninyo.
  - Arsenic concentrations ranging from 4.6 to 29 mg/kg were detected in the waste material samples, all of which are above the industrial RSLs.
  - One lead sample had a level of 400 mg/kg, which is equal to the 2015 RSL for lead.
  - Thallium concentrations ranging from 1.1 to 1.2 mg/kg were detected in the waste material samples, which is between the residential and industrial RSL.

Two soil samples collected from perimeter borings LFG-4 and LFG-13 were analyzed for SVOCs and metals. Analytical results from these perimeter borings along with Ninyo commentary on applicability of 2015 residential and industrial RSLs are summarized below:

- SVOCs were not detected in either of the samples analyzed.

- Metals results:
  - Title 22 metals (antimony, arsenic, barium, beryllium, cadmium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc) were either not detected, or were detected at concentrations below the RSL for residential use soil. Note that total chromium concentrations ranged from 7.6 to 12 mg/kg, with no associated RSL listed by Ninyo.

In addition to soil sampling, gas samples were collected from completed landfill gas wells (LFG-1 through LFG-5, LFG-13, WLFG-1 and WLFG-12) on two separate dates and analyzed for fixed gasses (methane, carbon dioxide, oxygen, nitrogen, and carbon monoxide) and VOCs. Methane was detected in only one in-waste well (LFG-1) at a peak concentration of 4.3 percent. Twenty-three VOCs were detected in landfill gas samples collected from the in-waste wells.

Methane was not detected in any of the samples collected from the six perimeter wells. And, while 13 VOCs were detected in samples collected from the perimeter wells, the depth and nature of the detected VOCs was generally different from the VOCs detected in the waste mass. Full detailed results are contained in the Ninyo and Moore Report.

2.4.8 2015 Supplemental Soil and Vapor Assessment Report

In October, 2015, TRC submitted a report to the RWQCB for the Eastern Parcel detailing additional in-waste profiling results associated with the trenches previously excavated in the eastern portion of the Gage Avenue Dump, as well as the former rail spur that was installed on this portion of the Eastern Parcel.

A total of 34 samples were collected from inside the waste mass. Samples were analyzed for TPH via 8015M, VOCs via EPA Method 8260, SVOCs (including 1-4-Dioxane) via EPA Method 8270C,

perchlorate via EPA Method 314.0, pesticides and PCBs via EPA method 8080, and metals via EPA Methods 6010B/7471A/7199. Analytical results from the additional in-waste samples along with TRC commentary on applicability of the TRC-RSCC are summarized below:

- TPH results:
  - Gasoline-range organics (C4 to C12) were detected in 11/34 samples at levels from 0.25 to 530 mg/kg. Only one sample was above the TRC-RSCC.
  - Total TPH (C8 to C44) was detected in 27/34 samples at levels up to 38,000 mg/kg. 4/34 samples had total TPH levels above the TRC-RSCC.

- VOCs were detected in 19/34 samples, with the following detected concentrations:
  - Benzene: 15 detections ranging from 0.0011 to 0.013 mg/kg, which are all below the TRC-RSCC.
  - Bromomethane: One detection of 0.042 mg/kg, which is below the TRC-RSCC.
  - N-Butylbenzene: Two detections (0.028 and 0.030 mg/kg), both below the TRC-RSCC.
  - sec-Butylbenzene: Two detections (0.021 and 0.025 mg/kg), both of which are below the TRC-RSCC.
  - Chloromethane: One detection of 0.031 mg/kg, which is below the TRC-RSCC.
  - 1-3,Dichlorobenzene: One detection at 0.0053 mg/kg, which is below the TRC-RSCC.
  - 1,4-Dichlorobenzene: One detection at 0.027, which is below the TRC-RSCC.
  - Ethylbenzene: Two detections (0.023 and 0.027 mg/kg), both below the TRC-RSCC.
  - Isopropylbenzene: Two detections (0.015 and 0.019), both below the TRC-RSCC.
  - p-Isoprpylbenzene: Two detections (0.042 and 0.049), both below the TRC-RSCC.
  - Napthalene: Three detections (0.018, 0.70, and 8.3), only one of which was above the TRC-RSCC.
  - n-propylbenzene: Two detections (0.027 and 0.032 mg/kg), both below the TRC-RSCC.
  - Toluene: 11 detections ranging from 0.0010 to 0.0039, all of which are below the TRC-RSCC.
  - 1,2,4-Trimethylbenzene: Two detections (both 0.16 mg/kg), both below the TRC-RSCC.
  - Total Xylenes: Two detections (0.012 and 0.013 mg/kg), both below the TRC-RSCC.

- SVOCs were detected in 5/34 samples, with the following detected concentrations:
  - Benzo butyl phthalate: One detection of 16 mg/kg, which is above the TRC-RSCC.
  - Bis(2-ethylhexyl)phthalate: Two detections (0.65 and 0.80 mg/kg), both below the TRC-RSCC.
  - Butyl benzyl phthalate: One detection of 0.035 mg/kg, which is below the TRC-RSCC.
  - Diethyl phthalate: Two detections (0.13 and 1.5 mg/kg), both of which are below residential RSLs.
  - Di-n-butyl phthalate: Two detections (0.036 and 0.40 mg/kg), both below the TRC-RSCC.
  - 1-4-Dioxane was not detected in any of the 34 samples analyzed.
  - Fluoranthene: One detection of 0.020 mg/kg, which is below the TRC-RSCC.
  - Pheneanthrene: One detection of 0.024 mg/kg, which is below the TRC-RSCC.
  - Pyrene: Two detections (0.017 and 0.27 mg/kg), both below the TRC-RSCC.

- Perchlorate was detected in 5/34 samples at levels ranging from 0.014 to 0.32, all of which are below the TRC-RSCC.

- Pesticides were detected in 8/34 samples, with the following detected concentrations:
  - 4,4'-DDD: Six detections ranging from 0.0026 to 0.12, all of which are below the TRC-RSCC.
  - 4,4'-DDE: Seven detections ranging from 0.00011 to 0.01, all of which are below the TRC-RSCC.
  - 4,4'-DDT: Three detections (0.00011, 0.0010, and 0.0035) all of which are below the TRC-RSCC.

- PCBs were detected in 12/34 samples with levels ranging from 0.11 to 2.2. Eight samples were above the TRC-RSCC of 0.22 mg/kg.

- Metals results:
  - Of the 11 metals analyzed, only three (barium, chromium, and silver) had levels that in which all 34 samples were lower than the TRC-RSCC. The remaining eight metals are discussed below.
  - Arsenic concentrations ranging from 0.6 to 33 mg/kg were detected in the waste material samples, however only three samples were above the TRC-RSCC of 12 mg/kg.
  - Cadmium concentrations ranging from 0.011 to 8.6 mg/kg were detected in the waste material samples, however only one sample was above the TRC-RSCC of 6.9 mg/kg.
  - Hexavalent Chromium concentrations ranging from 0.4 to 2.4 mg/kg were detected in the waste material samples, however only three samples were above the TRC-RSCC of 2.0 mg/kg.
  - Copper concentrations ranging from 6 to 9,000 mg/kg were detected in the waste material samples, however only seven samples were above the TRC-RSCC of 230 mg/kg.
  - Lead concentrations ranging from 5 to 2,100 mg/kg were detected in the waste material samples, however 17 samples were above the TRC-RSCC of 80 mg/kg.
  - Mercury concentrations ranging from 0.4 to 1.5 mg/kg were detected in the waste material samples, however only eight samples were above the TRC-RSCC of 0.33 mg/kg.
  - Selenium concentrations ranging from 1.4 to 16 mg/kg were detected in the waste material samples, however only two samples were above the TRC-RSCC of 5.2 mg/kg.
  - Zinc concentrations ranging from 15 to 5,500 mg/kg were detected in the waste material samples, however only seven samples were above the TRC-RSCC of 600 mg/kg.

As part of the 2015 investigation, TRC also collected six soil vapor samples from within the refuse footprint. The five samples were analyzed for VOCs via EPA Method 8260B, with a summary of the analytical results provided below:

- VOCs were detected in 6/6 samples, with the following detected concentrations:
  - Benzene: Five detections ranging from 0.040 to 0.49 µg/L.
  - n-Butylbenzene: Two detections (0.010 and 0.020 µg/L).
  - sec-Butylbenzene: Three detections (0.020, 0.020, and 0.040 µg/L).
  - Carbon Disulfide: Three detections (0.080, 0.14, and 0.023 µg/L).
  - Chlorobenzene: One detection at 0.080 µg/L.
  - cis-1,2-Dichlorobenzene: One detection at 0.050 µg/L.
  - 1,4-Dichlorobenzene: One detection at 0.010 µg/L.

- Ethylbenzene: Three detections (0.020, 0.040, and 0.10 µg/L).
- Isopropylbenzene: Two detections (0.030 and 0.080 µg/L).
- para-Isopropyltoluene: Three detections (0.020, 0.020, and 0.030 µg/L).
- Styrene: One detection at 0.010 µg/L.
- 1,2,4-Trimethylbenzene: Three detections (0.020, 03030, and 0.030 µg/L).
- n-Propylbenzene: Three detections (0.020, 0.020, and 0.050 µg/L).
- Toluene: Six detections ranging from 0.020 to 0.110 µg/L).
- 1,3,5-Trimethylbenzene: One detection oat 0.010 µg/L.
- Vinyl Chloride: One detections at 0.11 µg/L.
- meta- and para-Xylenes: Four detections ranging from 0.020 to 0.15 µg/L.
- ortho-Xylene: Two detections (0.040 and 0.060 µg/L).

2.5 FUTURE REDEVELOPMENT PLANS

The proposed redevelopment plan for the Project is a mixed-use development including park and open-space, residential and commercial uses. The proposed redevelopment project includes the relocation and reconstruction of the existing Veterans Memorial Park to the Eastern Parcel along with construction of 825 residential units, and approximately 165,000 square feet of entertainment retail on the Site and Eastern Parcel. These future development plans are depicted in Figure 5 through 6B of the California Environmental Quality Act (CEQA) Initial Study and can be viewed at the following link: http://ca-commerce.civicplus.com/DocumentCenter/View/4548. The Project re-development plans call for excavation and removal of significant volumes of soil in accordance with the architectural and engineering plans. Accordingly, implementation of the re-development plan will require the excavation, stockpiling, profiling, and appropriate disposal of all former landfill materials encountered during the Project redevelopment activities.

3.0 PROJECT – SITE CONCEPTUAL MODEL

This section summarizes the Site Conceptual Model (SCM) for the Project identifying the sources and locations of chemical impacts.

3.1 LAND USE AND RECEPTORS

The Project was used as a permitted (Gage Avenue Dump) and unpermitted (Fletcher Dump) landfilling operations from approximately 1941 to 1954 (1941 to 1948: Fletcher Dump; and 1950 to 1954: Gage Avenue Dump), as described in Section 2, with wastes deposited including wood, tar paper, bricks, tire casings, tire beads, glass, tile, wire, and metals. The operation of the Project as landfills were the original source of the chemicals observed within the Project subsurface. The Project is currently partially vacant (eastern portion of Gage Avenue Dump) and partially developed as a community park (western portion of Gage Avenue Dump and Fletcher Dump). The re-development plan consists of a one-level podium-style parking structure below the residential and office developments. The land use in the vicinity of the Project is primarily industrial/commercial.

3.2 DETERMINATION OF CHEMICALS OF CONCERN

Due to the nature of former operations, as well as both perimeter and in-refuse sampling, the impacts to the soils at the Project are primarily within the refuse footprint of the former landfills. In the following sections, the chemicals of concern (COC) will be identified. Cleanup criteria will be developed for all COCs.

3.2.1 In-Waste Sample Summary

The analysis of material within the waste cells identified elevated concentrations of TPH, VOCs, SVOCs, pesticides, PCBs, and metals. Any detections of any of these compounds are considered COCs. SCS considered any analyte detected in soils from prior investigations to be a COC as well. A summary of all detected in-waste COCs is presented in **Table 1**, below.

Table 1. Waste Characterization COC Summary
(all concentrations are listed as mg/kg)

Analyte/COC		Frequency of Detection	Highest Result
Total TPH Carbon Chain		53/61	38,000
VOCs[1]	Benzene	32/58	0.0082
	Bromomethane	1/58	0.042
	n-Butylbenzene	2/58	0.030
	sec-Butylbenzene	2/58	0.025
	Chloromethane	1/58	0.031
	1,3-Dichlorobenzene	1/58	0.0053
	1,4-Dichlorobenzene	1/58	0.027
	Ethylbenzene	12/58	0.027
	Isopropylbenzene	2/58	0.019
	p-Isopropylbenzene	2/58	0.049
	Naphthalene	18/58	8.3
	n-Propylbenzene	2/58	0.032
	Toluene	16/58	0.0044
	1,2,4-Trimethylbenzene	8/58	0.045
	Total Xylenes	5/58	0.013
SVOCs[1]	Benzo(a)anthracene	2/62	0.86
	Benzo(b)fluoranthene	2/62	0.86
	Benzo(k)fluoranthene	2/62	1.6
	Benzo(a)pyrene	1/62	1.4
	Benzo(g,h,i)perylene	1/62	0.65
	Benzoic Acid	3/62	2.0
	Bis(2-ethylhexyl)phthalate	3/62	0.80
	Butyl benzyl phthalate	1/62	0.32

Analyte/COC		Frequency of Detection	Highest Result
	Chrysene	3/62	1.5
	Dibenz(a,h)anthracene	1/62	0.30
	Diethyl phthalate	1/62	0.035
	Di-n-butyl phthalate	3/62	0.40
	Fluoranthene	3/62	0.78
	Indeno (1,2,3-cd) pyrene	1/62	0.60
	Phenanthrene	1/62	0.024
	Pyrene	5/62	1.0
	Phenol	1/62	0.81
Perchlorate		5/34	0.32
Pesticides[1]	4,4'-DDD	23/58	40
	4,4'-DDE	17/58	1.1
	4,4'-DDT	16/58	170
	Dieldrin	6/58	9.6
	Endrin	7/58	4.8
Total PCBs		1/24	0.47
Metals	Arsenic	65/65	33
	Barium	65/65	340
	Beryllium	1/31	0.48
	Cadmium	53/65	84
	Chromium	57/57	280
	Chromium, Hexavalent	34/34	2.4
	Cobalt	8/8	11
	Copper	42/42	9,000
	Lead	65/65	2,100
	Mercury	60/65	1.8
	Molybdenum	8/8	55
	Nickel	8/8	160
	Selenium	50/65	16
	Silver	44/65	20
	Thallium	3/8	1.2

Analyte/COC		Frequency of Detection	Highest Result
	Vanadium	7/8	51
	Zinc	42/42	5,500

[1]Only detected analytes are listed.

3.2.2 Outside Waste Sample Summary

As shown in **Table 1** above, there are a total of 57 compounds that are considered COCs for this Plan. In order to verify that the COC selection is adequate, the list of COCs were compared to the outside waste (e.g. perimeter sample and bottom sample results) sapling results. As discussed in Section 2.4, several samples were collected from the bottom of excavations/trenches installed by TRC and in the perimeter borings installed by Ninyo, and analyzed for TPH, VOCs, SVOCs, pesticides, PCBs, and metals. A summary of the non-waste soil sampling is provided in **Table 2**, below.

Table 2. Non-Waste Sample Results
(all concentrations are listed as mg/kg)

Analyte[1]		Frequency of Detection	Highest Result	Listed as a COC?
Total TPH Carbon Chain		1/8	2,400	Yes
VOCs[1]	Benzene	1/8	0.0022	Yes
	Ethylbenzene	1/8	0.0027	Yes
	Naphthalene	1/8	0.014	Yes
SVOCs[1]		0/10	ND	Yes
Pesticides[1]	4,4'-DDT	1/8	0.0010	Yes
Total PCBs		0/8	ND	Yes
Metals	Arsenic	13/13	7.7	Yes
	Barium	13/13	130	Yes
	Cadmium	2/13	0.29	Yes
	Chromium	13/13	22	Yes
	Cobalt	5/5	8.8	Yes
	Copper	5/5	22	Yes
	Lead	13/13	1,100	Yes
	Mercury	6/13	0.072	Yes
	Molybdenum	2/5	1.1	Yes
	Nickel	5/5	15	Yes
	Selenium	7/13	4.7	Yes

	Silver	2/8	0.45	Yes
	Thallium	1/5	1.3	Yes
	Vanadium	5/5	38	Yes
	Zinc	5/5	48	Yes

[1]Only detected analytes are listed.

As shown in Table 2, the all of the detected compounds identified in Table 2 are listed as COCs in Table 1. Thus, all COCs have been identified during in-waste sampling.

4.0 RESPONSE PLAN

4.1 REMEDIAL ACTION OBJECTIVES

Remedial Action Objectives (RAOs) established for the Project is to protect human health and the environment from identified unacceptable risk which are further described as follows:

- Protect human health by limiting exposures to COCs in soil and soil vapor via dermal contact, ingestion, and/or inhalation of particulates/vapors present in ambient air;

- Reduce the potential for migration of COCs to the underlying groundwater and protect the current and potential beneficial uses of groundwater to the extent feasible and practicable; and

- Allow for the proposed re-development mitigating risks of residual chemical impacts to below regulatory thresholds through clean closure (e.g. excavation) of all refuse materials.

The Project is currently slated for mixed residential, public, and commercial land use. It was determined that the complete removal of all waste, followed by confirmation sampling, as well as installation of a groundwater monitoring network, would provide the maximum level of protection of human health and environment, thus an evaluation of remedial alternatives was not necessary. Project-Specific remediation goals for the Site and Eastern Parcel are as follows:

- Shallow Soils – All refuse-containing material in shallow soils (estimated to be up to 25-feet bgs), will be excavated and removed from the Site and Eastern Parcel. As no waste will remain within the Project boundary, the only remediation goals for the removal of refuse material will be disposal facility criteria, since all refuse-containing material will be removed from the Project. Confirmation soil samples will be analyzed for COCs and the results will be compared to a numerical remediation goal (e.g., background concentrations, RWQCB SSLs, DTSC SSLs) – See Section 4.2 that follows for additional detail on the development of numeric remediation goals.

- Shallow Soil Vapor impacts – The complete removal of the impacted waste materials from the Project will include the removal of any soil vapors that are entrained within the refuse mass. No refuse materials will remain on-site following the implementation of this Plan.

- Deep Soils – Soils directly beneath the base of waste will be subject to waste removal confirmation sampling, in order to verify there are no impacts on deeper soils (e.g., below base of waste) from the former refuse mass, and additional deeper soil samples will be

collected at five and ten-feet below the base of waste and down to the first confining unit and/or groundwater.

- Groundwater – In order to verify there have been no impacts to groundwater, following waste removal, a network of up to five groundwater wells will be installed around the perimeter of the Project, and monitored for a period of time, to ensure that, 1) there have not been any impacts to groundwater from the former landfills, and 2) the remedial activities did not impact groundwater.

4.2 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Applicable and Relevant and Appropriate Requirements (ARARs) are used to define the minimum level of protection for human health and the environment that must be provided by a remedy selected and implemented in accordance with California Health and Safety Code (CHSC), Chapters 6.82 and 6.83, California Water Code (CWC), Chapter 7, California Code of Regulations (CCR), Title 27, State Water Resources Control Board (SWRCB) Resolutions 92-49 and 68-16, and the RWQCB's Basin Plan, among others. The ARARs, identified for the remedial actions should comply with Federal environmental law or more stringent State environmental law. Chemical-, location- and action-specific ARARs were evaluated for the Project are listed below.

4.2.1 Chemical Specific ARARs

Chemical-specific ARARs are typically health-based or risk-based numerical values that establish the acceptable concentration of a COC that may remain in, or be discharged to, the environment. At the Project, chemical-specific ARARs consider site-specific details such as:

- The depth to groundwater underlying the Project; and
- The potential future use of the Project.

The soil cleanup goals are intended to demonstrate that COCs do not remain within the base or sidewalls of the excavation area at concentrations that could pose a potential threat to human health, groundwater, or ecological receptors. COCs considered in this evaluation include those which were detected in samples of soil and/or landfill material during previous investigation and characterization activities at levels above EPA RSLs. The recommended soil cleanup criteria for the Project represent a combination of published soil screening levels (SSLs) and consider one or more of the following factors:

- Protection of human health;
- Protection of groundwater;
- Background concentrations (for naturally occurring metals and PAHs).

The objective of the proposed remediation activities is to restore the Project to a condition that allows for unrestricted use. Consequently, SSLs for protection of human health are based on residential standards. **Appendix A** provides a detailed description of the methodology and SSLs used to develop the recommended soil cleanup criteria. The recommended soil cleanup criteria are presented in **Appendix A, Tables A-2b and A-3**.

4.2.2 Location Specific ARARs

No location-specific ARARs were identified since the Project is not located in any sensitive or protected area.

4.2.3 Action-Specific ARARs

The potential action-specific requirements for the Project include:

- RWQCB: Water effluent standards are applied to waste water, groundwater, and stormwater runoff from the Project;
- South Coast Air Quality Management District (SCAQMD): Landfill excavation restrictions, emissions of gases, particulate matter, and fugitive dust are set by the SCAQMD and may apply if they are part of the State Implementation Plan pursuant to the Clean Air Act;
- National Pollution Discharge Elimination System (NPDES): Requires the elimination of most non-stormwater discharges, Stormwater Pollution Prevention Plan (SWPPP) preparation, and stormwater discharge monitoring;
- California Civil Code and CHSC governing land use restrictions;
- California Occupational Safety and Health Administration code governing the safety of the construction workers at the Project;
- CEQA; and
- DTSC hazardous constituent regulations as outlined in 22 CCR Division 4.5.

4.3 REMEDIAL ACTION DESCRIPTION

The field sampling program during Response Plan implementation will include: 1) confirmation soil sampling within the excavation areas upon completion of waste material and cover soil removal, 2) stockpile sampling of excavated and screened soils, and 3) stabilization/solidification of metal affected soil for disposal at a Class III facility. The following sections provide specific sampling analysis methods, frequencies, and procedures. The Soil Sampling Plan provided in Appendix B describes the decontamination procedures, sample handling, documentation, and the sample analysis program.

4.3.1 Confirmation Chemical Analysis

All confirmation soil samples will be submitted to a California state-certified analytical laboratory for analysis. The excavation floor and sidewall soil samples will be analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPH-G), as diesel (TPH-D), and as heavier oils (TPH-O) using EPA Method 8015M;
- VOCs using EPA Method 8260B/5035;
- SVOCs using EPA Method 8270C;
- Pesticides and PCBs using EPA Method 8081/8082; and
- CCR Title 22 metals using EPA Methods 6000/7000.

4.3.2 Remedial Activity Confirmation Sampling

Confirmation sampling of the excavation floor and sidewall soils will be performed upon reaching the lateral and vertical limits of the waste pit or property boundary. Specifically, soil samples will be collected on 50-foot centers along the sidewalls and floor of the excavation to document the boundary conditions. All sampling will be performed in accordance with the sampling methods and criteria outlined in this section. The proposed soil sample locations are presented in **Figure 4**.

As described in the Quality Assurance Project Plan (QAPP) in **Appendix C**, field duplicate samples for laboratory analysis will be collected at a rate of approximately 10% of the primary samples for all environmental confirmation samples, post remediation groundwater samples, and post remediation soil gas samples. For disposal characterization of excavated wastes, multiple samples will be collected from the waste streams, generally composite samples, thus rendering duplicate samples of multiple samples unnecessary. All laboratory analytical data will be reported to method detection limits (MDLs). For each laboratory test method, MDLs will be reported at or below the recommended soil cleanup criteria.

4.3.2.1 Excavation Floor Samples

Confirmation excavation floor samples will be collected on 50-foot centers along the floor of the excavation to document the native in-situ soil conditions. Within each 50-foot grid, a sample will be collected for analysis within the first six-inches of the surface.

4.3.2.2 Sidewall Samples

Soil samples will be collected on 50-foot lateral spacing's along designated sidewalls of the excavation to demonstrate the cleanup criteria has been achieved. Samples will be collected from the approximate vertical midpoint of the sidewall within the first six inches of soil. **Figure 4** shows the proposed soil sidewall sample locations and the following table summarizes the sampling methodology.

4.3.2.3 Backfill Soil Samples

No offsite backfill is anticipated to be imported to the Project. Onsite soils meeting the cleanup criteria may be used in the remedial excavation to attain a safe sidewall slope, level the excavation floor, etc.

In the event that offsite backfill is required, clean soil from undeveloped sources not impacted by previous activities will be used. If needed, the use of imported fill material will conform to the DTSC's Information Advisory for Clean Imported Fill Material.

4.3.3 Deep Soil Confirmation Sampling

Following confirmation sampling performed under the RAP (see Section 4.3.2), additional excavation floor, subgrade soil sampling will occur at selected locations at depths of five- and ten-feet below the final remedial excavation floor grade and at depth intervals where contamination is evident from visual or olfactory observations or where the screening instrument (such as the organic vapor analyzer) readings (headspace or other) above ambient air concentrations indicate that contamination is present.

The deeper sampling locations will be selected at a rate of approximately 30% of the total excavation floor samples by dividing the bottom area into 150- by 150-foot cells. Thus, one deeper sample

location will be selected for each approximately 22,500 square foot cell using either field indications (i.e., discoloration, odor, etc.), or at the centroid of each cell, with preference given to discolored or odorous areas.

Per discussions with the RWQCB, in the event that both the five- and ten-foot samples within each grid contain any COCs at levels above the established cleanup criteria, additional, deeper sampling at five-foot intervals will continue until two, continuous samples are collected with concentrations of COCs below the cleanup criteria. At a minimum, three deeper borings (approximately one per 900-foot grid will be installed.

4.3.4 Groundwater Confirmation Sampling

In order to verify there have been no historic impacts to groundwater, following waste removal, a network of up five groundwater wells and/or groundwater grab samples will be installed within and around the perimeter of the Project. While grab samples will be analyzed one time, installed groundwater monitoring wells will be monitored for a period of time pursuant to an approved groundwater monitoring work plan, to ensure that, 1) there have not been any impacts to groundwater form the former landfills, and 2) that the remedial activities did not impact groundwater. The proposed location of the groundwater monitoring wells are presented on **Figure 5**.

4.3.4.1 Pre-Drilling Work Activities

Prior to conducting intrusive activities at the Project:

- Well permits will be obtained from the Los Angeles County Department of Public Health, Environmental Health Services Division, Drinking Water Program (LADPH) in connection with any post-remediation and excavation groundwater monitoring.

- An encroachment permit or license, if necessary, may be obtained from the Los Angeles Flood Control District (LACFCD) and/or United States Army Corps of Engineers (USACE) to conduct well installation activities on the Project from the Rio Hondo Bike Path.

- The proposed well locations will be marked with white paint and Underground Service Alert (USA) will be notified approximately 48 hours prior to initiation of the drilling activities. The owners of underground utilities in the area will be notified by USA, and the utilities present in the area of the proposed well locations will be marked.

- Preparation of a Project-specific Health & Safety Plan (HASP) designed to promote project personnel safety and preparedness during the proposed activities.

- A geophysical survey will be conducted to locate underground utilities that may be present near the proposed well locations.

- The RWQCB and LADPH will be notified a minimum of 72 hours prior to commencing well installation activities.

4.3.4.2 Well Installation Activities

Five (5) groundwater monitoring wells; designated MW-1 through MW-5 are to be installed at the proposed locations shown on **Figure 5**. The monitoring well placement will assess groundwater direction and gradient, and groundwater quality conditions. Based on depths at nearby wells described in Section 2, depth to groundwater is anticipated to be between 90 and 100 feet bgs.

Groundwater monitoring wells will be placed up gradient (e.g. to the north) to measure back ground water quality as well as in the southeastern and southwestern corners of the Project to measure downgradient water quality.

The wells will be constructed using 4-inch diameter, Schedule 40, polyvinyl chloride (PVC) casing with a screened casing (0.020-inch slot size) interval extending from approximately 50 to 110 feet bgs; the actual screen interval may be adjusted in the field at the time of installation based on the depth to first encountered groundwater. A filter pack of No. 2/12 or 3 graded sand will be placed around the well screen and will extend approximately 2 feet above the top of the well screen. Filter pack sand will be placed into the annular space between the hollow-stem auger and well casing. After placement of the filter pack, a 2-foot thick bentonite seal will be installed in a similar manner and hydrated. The remaining annulus will be sealed using an approved grout material, and the well will be completed at the surface by the installation of flush-mounted, traffic-rated protective cover or monument well cover, set in concrete. Following installation, the wells will be developed and surveyed. The groundwater monitoring well development, groundwater sampling and chain of custody procedures to be implemented during the field activities will be presented in a workplan prepared before commencement of field work.

A California-licensed land surveyor will survey the wells to a benchmark of known elevation.

4.3.4.3 Chemical Analysis and Sampling Methodology

Immediately following groundwater monitoring well installation and development activities, the fluid levels will be monitored and one (1) round of ground water samples will be collected from the newly installed wells. Fluid level monitoring and groundwater purging and sampling activities will be presented in a workplan prepared before commencement of field work.

A state-certified laboratory will perform all laboratory analyses. Chain of custody protocol will be followed for all samples selected for analysis, thus providing a continuous record of sample possession prior to actual analysis.

COCs for groundwater will include all detected chemical analytes from all groundwater samples collected as part of the Project investigation and cleanup activities. As such, all groundwater samples will be analyzed for the following:

- TPH, full range for gasoline, diesel, and oil via EPA Method 8015M.
- VOCs, full list including fuel oxygenates via EPA Method 8260B.
- SVOCs via EPA Method 8270C.
- Pesticides and PCBs via EPA Method 8080.
- Title 17 California metals via EPA Methods 6010B/7000.

4.3.4.4 Quality Assurance/Quality Control Procedures

Quality assurance/quality control (QA/QC) procedures will be used in the field to ensure that equipment used during groundwater monitoring well installation and sampling activities is properly calibrated and/or decontaminated prior to use.

QA/QC procedures include:

- Daily calibration of all meters used during the investigation.
- Daily collection of field blanks. The collection of field blanks involves the pouring of laboratory-prepared de-ionized water into sample containers during routine environmental sample collecting activity (e.g., soil sampling).
- Transporting of the samples to the laboratory at the end of each sampling day.
- Utilization of trip/travel and temperature blanks to verify sample handling procedures.

Chain of custody protocol will be followed for all water and QA/QC samples selected for laboratory analysis. The chain of custody form will accompany the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis. Copies of the official chain of custody records will be provided in the monitoring report (see Section 6.5).

4.4 RESPONSE PLAN IMPLEMENTATION

4.4.1 Waste Content and Volume Estimate

Based on the results of their prior investigations, TRC made the following assessment (TRC, 2015) of waste in place in the Eastern Parcel portion of the former Gage Avenue Dump:

- Large pieces of wood, trees, plastic, tires, and construction debris geotechnically and environmentally unsuitable for use as fill have been observed, primarily from a depth of approximately 5 to 25 feet bgs in the waste area; and
- Approximately 3 to 5 feet of soil was placed above the waste pile after disposal operations were discontinued in 1954.

TRC estimated approximately 193,326 cubic yards (cy) of waste material and cover soil may be encountered in the Eastern Parcel of the Project and would be removed and processed within the disposal pit area for export to permitted landfills or recycling facilities based on the estimated footprint (226,948 square feet) and average depth (23 feet bgs) of the waste area. Based on available Eastern Parcel information, TRC estimated the composition of the material in this area to be:

- 94,815 cy (128,000 tons) of soil (treated, untreated, and non-RCRA) for offsite disposal.
- 98,511 cy (65,000 tons) of screened waste including wood waste, green waste, glass, metal, rubber tires, plastic, paper, roofing shingles, small rocks, concrete and asphalt to be excavated and separated for offsite disposal or recycling.

Based on the results of the 1963 geotechnical investigation at the Site (LeRoy Crandall, 1963), which comprises the eastern two-thirds of the Project, thickness of waste fill averaged approximately 15 feet. The area of the Park property is approximately 9.9 acres (including parking and road areas). Based on these two items, waste fill is estimated at approximately 239,580 cy in this portion of the Project. If, similar to the estimate above, we assume that, after screening, half of this volume is soil and half is waste, approximately 120,000 cy of each will result from excavation and screening. Thus for the whole Project it is estimated that there will be approximately:

- 120,000 cy (162,000 tons) of soil for offsite disposal.

- 120,000 cy (79,200 tons) of screened waste for offsite disposal or recycling.

The quantities cited are based on observations at a limited number of locations, thus actual quantities of the various materials may differ.

4.4.2 Sequence of Work

The activities discussed in this section will be conducted to safely and effectively implement remedial action at the Project given the estimated volume and character of the waste, onsite location, and its present condition.

These activities constitute a remedial method that will remove cover soil, solid wastes, and intermixed soils which may pose a threat to public health and safety, and groundwater. Removal of soil wastes and associated soil will eliminate the need for post-remediation maintenance and prepare the Project for post-remediation residential use.

The tasks are based on the characterization information provided in Section 2 of this report. The contractor selected for work will be responsible for meeting the requirements of the HASP. The Scope of Work for remedial action at the Project includes the following activities:

- Project Mobilization – Section 4.4.6
- Excavation and Sequencing – Section 4.4.7
- Material Sorting and Management – Section 4.4.9
- Waste Material Profiling and Disposal – Section 4.4.10
- Loading and Transportation – Section 4.4.11
- Confirmation Sampling – Section 4.3.2
- Final Grading and Drainage – Section 4.4.12
- Demobilization – Section 4.4.13

Further discussion of each of these activities is described in Subsections 4.6 through 4.13. Remediation monitoring activities are discussed in Section 4.5 and **Figure 2** shows the property boundaries available for the contractor to use for remediation activities. The Project access road will not be used for soil or material stockpiles.

4.4.3 Methodology for Remedial Action

As previously discussed, the Project waste includes soil impacted by TPH, SVOCs, pesticides, and metals. The remedial activities described in this Plan are designed to eliminate potential threats the waste may have on the surrounding environment and groundwater and include the following measures:

- All waste material, recyclable material, and soils located within the waste cells will be removed, sorted, and segregated for offsite disposal and/or recycling;

- Excavation floor (in-situ) soil samples will be collected to characterize the final Project conditions (see Section 4.3.2.1);

- Sub-grade excavation floor, random grid samples will be collected (5- and 10-foot depth intervals) below the excavation floor to verify the removal and/or leaching of potential chemicals of concern (see Section 4.3.2.1);

- Sidewall samples from the excavation will be collected to document final Project conditions (see Section 4.3.2.2);

- Remediation limits and soil sample locations will be surveyed; and

- The excavation floor will be rolled using a compaction wheel at the completion of the work to reduce permeability, lower hydraulic conductivity, and reduce infiltration into the subsurface.

4.4.4 Permitting

The contractor will obtain all necessary permits prior to beginning work at the Project including:

- A grading permit issued by the County of Los Angeles/City of Commerce;

- Application for coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit [CGP] Order 2009-0009-DWQ) issued by the State Water Resources Control Board (SWRCB);

- Appropriate SCAQMD permits and plans; and

- Other required City of Commerce or Los Angeles County Permits.

Necessary permits and approvals from other governmental agencies will also be obtained prior to the implementation of the remedial excavation work. Permits and/or approvals are anticipated but not limited to Cal Recycle and Los Angeles County Department of Environmental Health.

4.4.5 Surveying

Prior to mobilization, a professional land surveyor (PLS) will prepare a limited topographical survey and establish control points using the appropriate City or County benchmark. The PLS will periodically visit the Project as the work progresses to survey remedial excavation limits and floor depth, or mark out and document other features at the conclusion of the remedial excavation. The surveyor may also layout the control points for the random sample grid locations.

The remediation field personnel will use a GPS unit with a minimum one meter level of accuracy to document soil confirmation sample locations or other features for final project reporting.

4.4.6 Project Mobilization

This activity includes mobilization of all personnel, equipment and supplies to the Project that are needed to perform the work described in this Plan.

The contractor will be responsible for providing its own project office or base of operations and will establish area(s) at the Project for processing of materials removed from the waste area, and stockpiling of various waste materials and soil. The exact location of the processing area(s) will be coordinated with the project manager to avoid conflict with neighboring businesses and property owners.

The contractor will provide sufficient heavy equipment for:

- Excavation of the waste;
- Onsite transportation of the excavated materials to the processing area,
- Material processing equipment to segregate soils from waste; and
- Delivery of solid waste materials to appropriately licensed disposal facilities.

The contractor will also protect existing facilities and utilities. Separation of the soils from the waste will be accomplished using:

- A Grizzly device for separation of trees, cobble, concrete, and other large waste; and
- Mechanized screen(s) for separation of soil and solid waste streams.

Water trucks will also be required for dust suppression across the site, and for adding moisture to the soil/material to prevent fugitive VOCs, dust and noxious odor emissions.

4.4.7 Excavation Staging and Sequencing

The contractor may begin excavation by removing of the top layer of soil, asphalt, concrete, etc., from the waste disposal area. Soil removed from this upper layer may be stockpiled for characterization for acceptance at a permitted disposal facility. If solid waste is encountered in this layer, it may be set aside for screening and disposal.

The excavated waste will be hauled to the processing area(s), where the waste materials will be processed directly or stockpiled to await processing and sorting. A water truck will be utilized to maintain dust control at the Project in the central processing area, material stockpiles, and haul routes. As the excavation progresses deeper into the waste area, ramp(s) may be built into the excavated area to allow access for equipment. Ramps may be extended and/or built in different locations throughout the excavation process to allow access and egress to all areas of the waste pit. The Project work will continue in this manner until a sufficient amount of buried waste and soil has been excavated from the waste pit and stockpiled in the central processing area. Subsequently, screening and sorting of the waste materials will begin. Excavation, screening, and material sorting and management will occur simultaneously until all waste materials have been removed from the Project.

SCS field personnel, working under the direct supervision of a Professional Engineer or Geologist, will be present onsite at all times to observe and document the excavation process, and to visually inspect the buried materials as they are exposed.

The groundwater monitoring well known to exist on the Eastern Parcel (see Section 2.3.3 above) will be properly decommissioned prior to the start of remedial activities. Any other groundwater monitoring wells encountered prior to or during Plan implementation will be properly decommissioned in concert with the remedial work. All groundwater monitoring wells within the remediation limits will be decommissioned per DWR standards (DWR Bulletins 74-81 and 74-90) by over drilling to remove the entire well casing and annular materials. The borehole will then be filled using a tremie pipe from the bottom of the borehole upward. Portland cement hydrated with 5% or less bentonite gel or approved sealant will be placed in the borehole using the tremie, as the auger is slowly removed to prevent void space, freefall, bridging, and dilution of sealing materials, and/or prevent separation of aggregate from sealants collapsing. A Los Angeles County Department of Environmental Health well permit will be obtained for each groundwater monitoring well slated for decommissioning, prior to decommissioning.

4.4.8 Unknown Wastes or Impacts

If during excavation, heavily stained or oily material, or material with a strong hydrocarbon odor, is encountered, the contractor will be directed to place the material in a separate stockpile for characterization testing and offsite disposal.

In the event that a drum or container is discovered containing unknown waste content, the contractor will stop work in this area and notify the SCS field manager. The SCS field manager will perform the following:

- Visually assess the container from a safe distance;
- Evaluate atmospheric conditions in the work area/vicinity, using a PID and four gas meter;
- If the above conditions are determined to be safe, evaluate the container contents with a PID and four gas meter; and
- If all conditions are determined to be safe, isolate the container to a staging location and place it on plastic and cover pending environmental characterization testing for appropriate disposal.

If suspect asbestos containing material (ACM), such as transite pipe, is discovered, the material will be wetted with water and remain undisturbed until assessed by a California Certified Asbestos Consultant or contractor.

4.4.9 Material Sorting and Management

4.4.9.1 Material Sorting Process

Mixed soil and waste materials will be transported from the waste pit to one or more centrally located areas of the Project. A Grizzly device will used to remove oversized material (>12-inch diameter or length). Inert materials such as rock, concrete, or asphalt which are larger than 18 inches in diameter may be removed and stockpiled for processing and/or offsite disposal.

After removal of oversized materials, remaining materials will be processed through a series of mechanized screen gradations onto a final screen opening, anticipated to between 1 and 3 inches for removal of remaining solid waste from the fine-grained materials.

The contractor will employ designated separation equipment with screen-size and vibration motion characteristics which will maximize the effect of separating soil/granular material from the inert debris. During these operations, the debris will be rinsed during dust control operations to help dislodge soil particles.

Prior to the initiation of the Plan, in order to demonstrate the effectiveness of the screening process, the contractor will conduct analysis of grab samples collected from the existing screened stockpiles of debris on site. Three grab samples will be collected randomly from the existing stockpiles (so that approximately 3 samples per 1,000 cubic yards of debris are collected). The wipe samples will be analyzed for lead by an offsite laboratory. The analytical results of the grab samples will be presented to the appropriate off-site receiving facility for acceptance under their permit to operate.

Based on the grab sample results, the screening contractor may refine the screening process for acceptance pursuant to the permitted disposal or recycling facility acceptance criteria.

4.4.9.2 Waste Segregation

All waste material streams recovered from the mechanized screening process will be stockpiled for appropriate offsite disposal, treatment, or recycling. Based on materials encountered during previous investigations, it is anticipated that waste debris to be disposed offsite will include various quantities of wood and green waste, treated wood, tires, plastic, metals, roof shingles, and other small quantities of material (glass, paper, etc.).

It is anticipated that stockpiles will be established for:

- Inert solid waste debris (pipe, cable, tire remnants, plastic, metal, glass, paper, non-treated wood, etc.);
- Nonhazardous soil;
- Treated soils (chemically stabilized/fixated with Portland cement);
- California hazardous waste soil; and
- Other categories deemed necessary based on compatibility, analytical testing, and permitted landfill acceptance requirements.

If any hazardous waste constituents, including contaminated soil, are discovered or suspected to be present based on visual observation during excavation, these materials will be segregated from the remainder of the excavated materials, profiled, recorded, manifested, and disposed of at an appropriate permitted landfill.

In the event containers are discovered with unknown contents, they will be segregated and stored based on physical characteristics and compatibility.

Some areas of soil may contain elevated levels of TPH, metals, or pesticides and could be categorized as CalHaz waste. These materials will be segregated, profiled, and/or treated, then disposed at an appropriate disposal facility.

All cover soil, waste debris, and screened soils will be segregated and stockpiled in volumes not to exceed 1,000 cy for chemical analysis, characterization, and/or offsite disposal. The sample collection shall be at a frequency of one composite sample per 1,000 cy. VOC-affected soils will be stockpiled in volumes not to exceed 200 cy and a total of no more than 1,000 cy of VOC-affected soil will be stockpiled onsite at any time.

4.4.9.3 Soil Treatment

The soils screened from the waste material and excavated soils will be placed in stockpiles no greater larger than 1,000 cy. Each stockpile will be sampled for select COCs, pursuant to the disposal facility acceptance criteria. Soils containing elevated lead levels suitable for solidification/stabilization (fixation) will be treated onsite for disposal. Soil fixation will be used to convert or stabilize soil containing soluble lead into a less soluble or non-mobile lead, suitable for disposal at a Class III facility. It is anticipated that a Portland cement and/or lime-fly ash binder/stabilizer and water process will be utilized to stabilize the lead-affected soil.

In order to assure that the fixation process is adequate, the soil mixing contractor will complete the following:

- Provide a copy of its transportable treatment unit ("TTU"), DTSC permit and SCAQMD permit to the RWQCB prior to the initiation of treatment activities. The TTU achieves waste stabilization adequate to allow for management of lead containing California-regulated hazardous waste constituents at Class III landfill facilities.

- Perform soil treatment batch testing prior to the initiation of soil treatment to ensure that the treated soil complies with the DTSC Transportable Treatment Unit (TTU) permit requirements and meets the non-hazardous soil acceptance requirement for the proposed Class III facility. This will be conducted each time 10,000 tons of soil subject to treatment is generated and stockpiled.

- Collect discrete approximately five cubic yard soil treatability samples from the first 10,000 tons of stockpiled soil to be treated. The 10 individual treatability samples will be processed through the TTU. Then 10 composite samples will be collected from the soil samples that have been processed through the TTU. The composite samples of the treated soil will then be analyzed for soluble lead at an offsite laboratory. The data from the treatability samples will be used to adjust the volume of Portland cement and/or fly ash to meet the <5 mg/L non-hazardous soil requirement and allow for disposal at the appropriate landfill facility. Additional discrete treatability soil samples will be processed through the TTU and then analyzed at the offsite laboratory, as needed, to verify the TTU mix for processing the soil achieves the non-hazardous requirement. The total number of discrete treatability soil samples required to be processed for verification of the TTU mix will be one treatability sample per 1,000 tons of soil for treatment (10 samples per 10,000 tons of stockpiled material).

The contractor will transport all processed materials offsite throughout the excavation and screening process to assure adequate land space necessary for the stockpiling of waste materials, and maintaining work performance and safety.

4.4.10 Waste Material Profiling and Disposal

As noted above cover soil, waste debris and screened soils will be segregated and stockpiled in volumes not to exceed 1,000 cy for chemical analysis, characterization and offsite disposal. The waste soil sample collection shall be at a frequency of one sample per 1,000 cy.

Specific analyses for materials going offsite will be based on the requirements of the receiving facility. Some or all of the following analytical methods are anticipated to be used as required for waste soil and/or material characterization:

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Method 8015M;

- Total petroleum hydrocarbons as diesel and motor oil (TPH-D/TPH-O), carbon chain identification for C13 to C44 using EPA Method 8015M;

- VOCs using EPA Method 8260B/5035;

- SVOCs including polynuclear aromatic hydrocarbons using EPA Method 8270C;

- Organochlorine pesticides and PCBs using EPA Method 8081/8082;
- CAM 17 metals using EPA Method 6000/7000;
- Soluble threshold limit concentration (STLC); and
- Total Threshold Limit Concentration (TCLP).

Based on the results of waste profiling and classification, the waste materials will be transported to the appropriate permitted disposal facility.

Screened soil requiring onsite treatment will be treated and profiled for acceptance at a Class III disposal facility. Onsite treatment, transportation, and disposal activities will be performed in accordance with applicable Federal, State, and local laws, regulations, and ordinances. Excavated material will be shipped by a qualified (licensed/registered and insured) waste hauler in covered (tarp, hard top, etc.) end dump trailers or other appropriate container, under manifests or appropriate shipping documents to the disposal facility.

Arranged by type of material, potential disposal facilities, addresses, and contact information is as follows:

Inert Waste Debris/Trash

El Sobrante Landfill (owned by Waste Management, Inc.)
10910 Dawson Canyon Road
Corona, CA 92883
Phone: 951-277-1740

Or

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Phone: 661-257-3655

Non-Hazardous and Treated Non-Hazardous Soils

Chiquita Canyon Landfill
29201 Henry Mayo Drive
Castaic, CA 91384
Phone: 661-257-3655

Or

Simi Valley Landfill and Recycling Center
2801 Madera Road
Simi Valley, CA 93065
Phone: 805-579-7267

Or

Azusa Land Reclamation (owned by Waste Management, Inc.)
1211 W. Gladstone Street
Azusa, CA 91702
Phone: 626-815-0233

California Hazardous (Non-RCRA) Impacted Soil

South Yuma County Landfill
19536 S Avenue 1 East #1E
Yuma, AZ 85365
Phone: (928) 341-9300

Or

Clean Harbors Buttonwillow Landfill Facility
2500 West Lokern Road
Buttonwillow, CA 93206
(661) 762-6200

4.4.11 Loading and Transportation

Tractor trailer end dumps and high side dumps, flatbed equipment trailer trucks, and other work vehicles exceeding 1 ton in weight will be utilized during this remediation project. Qualified transporters will be hired for hauling the excavated materials offsite. The hauling contractor(s) used to transport impacted material to the offsite disposal facilities will be fully licensed and permitted by the State of California and/or the EPA. Contractors shall comply with the County of Los Angeles Truck Route Ordinance and/or California Department of Transportation (Caltrans) approved truck routes.

Trucks used for the offsite transportation of materials will remain in the designated staging area(s) until called upon for loading by the remediation contractor. During loading, excessive noise, odor, and dust emissions will be minimized. Dust will be minimized by reducing the bucket height and drop distance of material during loading and by spraying material being loaded with water, if necessary.

All trucks will exit the Project through the decontamination staging area established near the exit gate. The staging area will contain equipment (brooms, brushes, scrappers, etc.) necessary to ensure all tires, truck trailers, dump beds, etc. are free of debris and loose materials prior to departure.

Haul trucks departing the Project will be visually inspected to ensure that no fluids are leaking, tires are clean, and material being hauled is six-inches below the dump trailer freeboard and properly secured and/or covered using tarps or other appropriate devices.

No haul truck will be allowed to depart the Project without the proper manifest or bill of lading.

The selected transporters will be licensed and insured for hauling the excavated soil/material. For transportation of hazardous wastes, the selected transporter will be a registered hazardous waste hauler. The remedial excavation contractor will verify that the selected transporter has a valid registration/license and insurance policy for transporting wastes offsite and verify that the transporter has not negligently released waste material/soil during transport.

The waste hauler will be required to have a contingency plan prepared to deal with the following conditions:

- When there are emergency situations (vehicle breakdown, accident, waste spill, waste leak, fire, explosion, etc.) during transportation of excavated materials/soil from the Prroject to the designated treatment/disposal facility;

- When the volumes of excavated soil change; or

- When waste characteristics change.

4.4.12 Final Grading and Drainage

No backfilling of the remedial excavation with imported soil or material is proposed. Upon the completion of confirmation sampling, excavation floor soils may be graded or relocated to slope the remedial excavation sidewalls. Soils located outside of the landfill excavation limits may also be used in conjunction with the clean excavation floor soils to stabilize (buttress) the western sidewall.

A California PLS will survey the pre-remediation topography and final remediation floor depth and excavation sidewall limits.

The remedial excavation is proposed to remove all waste materials and soil to the base of fill. The method used to stabilize sidewalls will be addressed in the Project grading plans.

A grading permit application, grading plan, and soils engineering/geology investigation report will be submitted to the County of Los Angeles, Department of Public Works, Land Development Division for the remediation work permit. The grading plan will include a rough finish grade and erosion control plan to facilitate subsequent future development of the Project. Temporary Best Management Practices (BMPs) will be implemented to comply with the General NPDES, Stormwater Construction General Permit. Silt fence or synthetic covers will remain in place to prevent erosion and sediment transport until final stabilization and drainage control measures associated with the Project development are implemented. A copy of the grading plan and permit will be provided to the RWQCB and the LEA prior to the implementation of the remedial work.

4.4.13 Demobilization

This activity includes final cleanup and removal of all equipment and materials from the Project after the remedial action is completed.

4.5 REMEDIATION MONITORING

4.5.1 Project Security

During removal activities, security and facilities to protect work areas from unauthorized entry, vandalism, or theft will be maintained. Chain-link type fencing will be maintained along the perimeter of the Project to prevent unauthorized entry to any work areas during working and nonworking hours. Gates will be locked at all times when Project personnel are not in attendance.

4.5.2 Project Access

Construction access to the Project will be through the existing gate located off Gage Avenue near the Ramada Inn and possibly other gates established during the implementation of the Plan. Construction traffic must utilize this point of access throughout the duration of the work. In general, the proposed remedial action incorporates the following Project access controls:

- Project will be enclosed by chain-link fencing at all times;
- Access to the Project will be limited to the existing gate located off Gage Avenue. The gate will be locked after work hours;
- Project access will be limited to authorized personnel;
- All personnel entering the Project will be required to have appropriate health and safety training and will sign the site-specific HASP each morning or upon entry;
- All visitors will be registered and must sign in upon entering the Project; and
- Access to the excavation and stockpile areas with exposed impacted soils will be restricted in accordance with the HASP.

Vehicles and equipment used in the handling of impacted soil will be decontaminated before leaving the Project.

4.5.3 Traffic Control

Traffic control measures will be implemented as needed during the performance of the remedial action. Traffic control for the Project will conform to the ordinances and regulations of the jurisdictional agency having authority over traffic control and will conform to the latest edition of the *Work Area Traffic Control Handbook (WATCH),* 2006 (BNI Publications, 2006). The necessary permits for traffic control will be obtained.

Truck traffic will be regulated during hauling operations and as necessary to prevent haul trucks from stopping or parking along the paved portion of Gage Avenue leading to the Ramada Inn. Haul trucks will not be allowed to idle along the Project access road and a 5 mile per hour speed limit will be imposed to prevent dust.

4.5.4 Health and Safety

A Project-specific HASP will be been prepared prior to implementation of field activities in order to address health and safety hazards, regulatory compliance, and specific tasks that will be performed at the Project. All employees, contractors and their subcontractors, and visitors must read and understand the HASP before entering the work area. Although it will be included in the HASP, personal dust monitoring, and dust control requirements are discussed in Section 5.5 and 5.8 of this Plan.

The HASP will outline procedures to minimize the health risk from exposure to potentially harmful materials such as air-borne vapors, landfill gas and fugitive dust. The HASP will focus primarily on Project workers closest to the landfill debris and cover soil where the highest potential for exposure exists. By establishing strict health and safety requirements, the health risks to workers or park users would also be conservatively mitigated. Potential exposure to hazards, as well as mitigation measures, will be communicated to Project workers as a component of planned Project-specific health and safety training.

The HASP will be prepared under the supervision of a Certified Industrial Hygienist (CIH) who will assist in instituting recommendations to protect nearby workers and park users from potential health risks during remediation. The HASP will describe the expected and potential chemical and physical

hazards, health and safety training requirements, specific personal hygiene protocols, monitoring equipment, and personal protective equipment that will be used during remediation work.

Most Project workers will be operating or driving equipment and will not likely come in direct contact with the cover soils or landfill materials. For this reason, the potential for significant exposures are minimal. However, workers who may potentially come in contact with the landfilled materials or related contaminants will be required to wear appropriate personal protective equipment (PPE) in compliance with OSHA standards.

Monitoring for air-borne emissions such as landfill gas, vapors, and dust that could potentially be released during the excavation and transport of landfill debris and cover material will be another important component of the HASP. Landfill gas consists primarily of methane, carbon dioxide, and trace levels of volatile and semi-volatile organic compounds.

Methane and carbon dioxide are asphyxiants since they displace oxygen, and produce a hazardous oxygen-deficient atmosphere. These gasses are not considered to be carcinogenic. Methane also presents an explosion hazard if the concentration in air exceeds 5 percent by volume. Such concentrations would normally occur only in confined or enclosed spaces. Therefore, in addition to the air monitoring requirements for remediation workers, air measurements will also be performed at the Project boundary to ensure the health and safety of the nearby community.

4.5.5 Project Personnel Monitoring

Personnel air sampling may be conducted to test for airborne contaminants during the performance of specific remediation tasks. The air sampling will be conducted at the beginning of the work during the excavation of waste material and soils, screening of waste material and soil, and other work, as deemed appropriate by the safety officer. During each specific operation, representative crew members will wear battery powered sampling units, each outfitted with the sample filter collection media in the breathing zone. Representative air samples will be collected over an approximately eight hour work period for each crew member, and will be analyzed by a stationary laboratory for lead using the National Institute for Occupational Safety and Health (NIOSH) Test Method 7300 modified/ Occupational Safety and Health Administration (OSHA) ID-125G. Personal air monitoring laboratory analysis documentation will be included in final remediation report.

4.5.6 Regional Climate and Wind Flow Patterns

The Project is situated in a Mediterranean climate zone, experiencing mild winters and warm to hot dry summers.

The prevailing wind directions during the dry season/summer months are predominantly from the west/southwest and are related to onshore flows. In winter the winds are more variable and include onshore winds from the west as well as strong winds from the southeast and north northwest (Los Angeles Airport).

4.5.7 Odor Control Plan

An Odor Control Plan will be prepared which will identify potential odor and VOC emission sources and receptors, monitoring methods, provide worker protection criteria, and provide mitigation methods. This Plan anticipates a Project-Specific Rule 1150 Excavation Permit/Rule 1166 Contaminated Soil Mitigation Plan (Excavation Plan) will apply to Project activities.

This Excavation Plan is required:

- Prior to commencing excavation of any landfill where refuse may be exposed to the atmosphere;
- Where an underground storage tank or transfer piping was used to store or transfer VOCs; and
- During excavation, handling and storage of VOC contaminated soils.

Minimum requirements for the Excavation Plan are as follows:

- Monitoring of wind direction and speed;
- Maintain moisture of excavated material and road surfaces to minimize dust and emissions;
- Removal of loose material from haul truck exteriors;
- Cover waste material in haul truck dump beds to prevent spillage;
- Cover inactive stockpiles to minimize dust and emissions;
- Description of mitigation measures for dust, odors, and VOCs; and
- Description of monitoring equipment and techniques.

4.5.8 Dust Control and Testing

Contractor will comply with SCAQMD dust and odor control requirements contained in Rules 402, 403, 1150, and 1466. This Plan serves as the Excavation Management Plan and will be submitted to the SCAQMD for approval. The Plan will be available onsite throughout the remedial action. The SCAQMD requirements for an Excavation Management Plan include the following:

- Provide information regarding the quantity and characteristics of the material to be excavated and transported (see Sections 2.0 and 4.0);
- Identify mitigation measures to be activated as necessary to ensure a public nuisance condition does not occur (see remainder of Section 5.0); and
- Provisions for immediate cessation of excavation activities when the operator is notified by the Executive Officer that a public nuisance has occurred (see Section 5.8.1).

4.5.8.1 Dust Control Supervisor

Contractor will designate an onsite Dust Control Supervisor who has successfully completed the SCAQMD Fugitive Dust Control Class and a 3 hour training class on dust control planning. The Dust Control Supervisor will call for immediate cessation of excavation if a public nuisance has occurred or if notified to do so by the SCAQMD Executive Officer.

4.5.8.2 Best Available Control Measures

Best Available Control Measures to be employed by the Contractor to minimize visible emissions, public nuisances, and fugitive dust will include but not be limited to:

1. **Clearing and Grubbing:** Maintain stability of soil through pre-watering of Project prior, during, and immediately after clearing and grubbing. Maintain perennial vegetation where possible. Apply water in sufficient quantity to prevent dust plumes.

2. **Cut and Fill:** Pre-water soil prior to cut and fill activities, and stabilize soil during and after cut and fill activities. Using water trucks/pulls or sprinklers, pre-water soil then allow time for penetration to depth of subsequent cut.

3. **Disturbed Soil:** Stabilize disturbed soil throughout the construction area. Limit vehicular traffic and disturbances on soils, where possible. Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes.

4. **Earth-Moving:** Pre-apply water to depth of proposed cuts, and re-apply water as necessary to maintain soils in a damp condition and ensure that visible emissions do not exceed 100 feet in any direction or extend offsite. Stabilize soils once earth-moving activities are complete. Consider use of upwind fencing to prevent material movement onsite.

5. **Truck Loading and Importing/Exporting of Bulk Materials:** Empty loader bucket close to the truck, and in such a manner that no visible dust plumes are created. Stabilize material while loading, transporting, and unloading to reduce fugitive dust emissions. Maintain at least 6 inches of freeboard on haul vehicles. Comply with Vehicle Code Section 23114. Use tarps or other suitable enclosures on haul trucks. Check belly-dump seals and remove rocks to prevent spillage. Comply with track-out prevention/mitigation requirements. Use water while loading and unloading to reduce visible dust plumes.

6. **Screening:** Pre-water material prior to screening. Limit fugitive dust emissions to opacity and plume length standards. Stabilize material immediately after screening. Dedicate water truck or high capacity hose to screening operation. Drop material through screen slowly and minimize drop height.

7. **Crushing:** Stabilize surface soils prior to operation of support equipment, follow permit conditions for crushing equipment, pre-water material prior to loading in crusher, monitor emissions, and stabilize and water material after crushing.

8. **Staging Areas:** Stabilize staging areas during use, and at project completion.

9. **Stockpiles/Bulk Material Handing:** Stabilize stockpiled materials, and add or remove materials from the downwind portion of the storage pile. Stockpiles within 100 feet of offsite occupied buildings must: (1) not be greater than 8 feet in height, or (2) have a road bladed to the top to allow water truck access, or (3) have an operational water irrigation system that is capable of complete stockpile coverage. Avoid steep sides or faces on storage piles.

4.5.8.3 Large-Scale Operations

If the project qualifies as a Large Operation (>5,000 cy of material moved per day, for 3 or more days), a Large Operation Notification (Form 403) will be filed with the Executive Officer (SCAQMD)

within 7 days of qualifying as a large operation. In addition to the abovementioned measure, the following dust control measures will be employed for large operations:

1. **Earth Moving, Construction Fill Areas:** Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method D-1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first 3 hours of active operations during a calendar day, and two such evaluations during each subsequent 4-hour period of active operations.

2. **Earth Moving, Construction Cut Areas:** Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.

3. **Disturbed Surface Areas, Except Completed Grading Areas:**

    a. Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface.

    b. Any areas which cannot be stabilized, as evidenced by wind-driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.

4. **Completed Grading, Disturbed Surface Areas:** Apply chemical stabilizers within 5 working days of grading completion; or take actions specified for inactive disturbed surface areas.

5. **Inactive Disturbed Surface Areas:**

    a. Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind-driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR

    b. Apply dust suppressants if sufficient quantity and frequency to maintain a stabilized surface; OR

    c. Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; *OR*

    d. Utilize any combination of control actions (a), (b), and (c) such that, in total, these actions apply to all inactive disturbed surface areas.

6. **Unpaved Roads:**

    a. Water all roads used for any vehicular traffic at least once per every 2 hours of active operations (3 times per normal 8 hour work day); *OR*

b. Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; *OR*

c. Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.

7. **Open storage piles:**

   a. Apply chemical stabilizers; *OR*

   b. Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind-driven fugitive dust; *OR*

   c. Install temporary coverings; *OR*

   d. Install a three-sided enclosure with walls with no more than 50 percent porosity which extends, at a minimum, to the top of the pile.

8. **General, All Categories:** Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified above may be used.

4.5.8.4 PM_{10} Fugitive Dust Monitoring

During the remedial excavation real time dust and particulate monitoring will be conducted by the employee designated as the dust control supervisor. Dust monitoring will be performed on a daily basis along the waste excavation perimeter upwind and downwind near applicable property boundaries. The instruments used to monitor air will provide instantaneous and time-weighted average (TWA) concentrations of particulate matter in the size of 10 microns or less (PM_{10}). Testing will be conducted to document that the difference between PM_{10} levels of simultaneous upwind and downwind monitors does not exceed 25 micrograms per cubic meter averaged over a 2 hour period.

Equipment

Real-time particulate monitoring will be performed using SCAQMD-approved instrumentation capable of data logging. One instrument will be placed upwind of the work area and at least one will be placed downwind near the Project perimeter. Instrument height will be approximately 6 to 8 feet above the ground surface. The locations of the dust monitors will be adjusted when needed based on the prevailing wind direction as indicated by a weather vane installed at the Project, weather station readings, or a hand-held wind speed meter.

Besides recording dust concentrations, the dust control supervisor will document activities and conditions that could potentially lead to elevated levels of dust. If practical, the data stored by each unit will be downloaded to a computer at the end of the day and printed out as a daily record (or at a minimum, the end of each work week).

4.5.9 Documentation Activities

All stages of remediation shall be documented to provide evidence of satisfactory work performance. The information shall be recorded on a standardized form or in a bound field logbook.

Daily recordkeeping will be performed by the SCS Superintendent or field representative to record remedial excavation activities, including results of visual observations, laboratory/field test data,

sampling, repairs, problems, solutions, and general field activity. The daily field inspection reports (if necessary) shall be reviewed by the Engineer or Project Manager/Director for submittal to the Owner. One complete set of the daily reports shall be kept onsite by SCS personnel at all times. The contractor will be notified of the test results so that corrective action can be taken and retests completed.

4.6 REMEDIAL ACTION COMPLETION REPORT (RACR)

The activities completed under this Response Plan will be documented in a Remedial Action Completion Report to be prepared by the project geologist or engineer, documenting the removal of all waste materials from this area as well as the results of the deep soil and groundwater confirmation sampling. The report shall include a description of field activities, figures, tables, official laboratory test results, manifests, and discuss typical removal conditions and procedures.

The RACR will be submitted for approval to the RWQCB.

4.7 POST-REMEDIATION MAINTENANCE ACTIVITIES

Since the work addressed by the Response Plan calls for complete excavation of all waste and impacted media and thus removes potential threats to water quality, no post-remediation maintenance will be required.

4.8 PROJECT SCHEDULE

The activities described in this Plan will be performed following the satisfaction of necessary pre-construction contingencies which include obtaining all required entitlements, permits and approvals from the City of Commerce for the Project development, securing all necessary construction and/or project financing and finalizing the design and construction schedule for all phases of the Project. Upon such satisfaction, Comstock intends to authorize mobilization for remediation activities upon receiving approval of this Plan by the RWQCB, receipt of any other permits or authorizations from the City of Commerce or other jurisdictional agencies and absent objections from the LEA. A general Project Schedule is presented in **Table 3**, below.

Table 3. General Project Schedule

Activity	Schedule
Finalize Community Baseline Assessment	Completed - 1/14/20
RWQCB posts letter commenting on Draft Response Plan on GeoTracker	Completed - 2/10/20
Comstock-SCS submit updated Response Plan for RWQCB review/ approval	In progress – est. 2/19/20
Mail Fact Sheet to Occupants and Owners within a 500-ft radius of the site	Within 7 days of Response Plan publication
LARWQCB issues Appropriate Care Determination Letter	Est. 2/27/20
Publication of Response Plan	3/4/20

Activity	Schedule
30 day public review and comment for Response Plan period	Upon Publication of Response Plan 3/4/20 to 4/3/20
LARWQCB-Comstock draft response to public comments on Response Plan	After the 30 day public review and comment period 4/3/20
Revise Response Plan and submit for RWQCB approval	4/28/20
RWQCB approves Response Plan	Upon Adoption of EIR - 5/13/20
RWQCB files NOD for Response Plan approval	Upon Adoption of EIR - 5/14/20
Comstock issues a Notice of Completion of remediation and submits RACR	Upon completion of remediation work - 4/15/21
RWQCB approves RACR and issues a Certificate of Completion of No Further Action	Within 30 days of submittal of the Notice of Completion - 6/15/21

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Appendix A

Soil Cleanup Criteria

Appendix B

Soil Sampling Plan

Appendix C

Quality Assurance Project Plan