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Phase I Environmental Site Assessment

Ten APNs Adjacent to the Riverside Downtown Metrolink Station Riverside, California

Riverside County Transportation Commission

4080 Lemon Street, Third Floor | P.O. Box 12008 | Riverside, California 92502

April 26, 2018 | Project No. 209691005

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

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Phase I Environmental Site Assessment

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April 26, 2018 | Project No. 209691005

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1 INTRODUCTION

Ninyo & Moore was retained by the Riverside County Transportation Commission (RCTC) (herein referred to as the client) to perform a Phase I Environmental Site Assessment (ESA) for 10 Riverside County Assessor's Parcel Numbers (APNs) encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station in Riverside, California (hereinafter referred to as the site; Figure 1). The site, which includes seven known addresses (3034 10th Street, 3084 10th Street, 3010 11th Street, and 3009, 3021, 3075, and 3087 12th Street), is comprised of multiple industrial structures, vacant lots, and two residential structures. The site is divided into the following areas for clarity (Figure 2):

- Area A, former So. Cal. Gas (current Mad Atom LLC) at 3084 East 10th Street in northwest portion of the site.
- Area B, former Home Oil and Royal Citrus/MLM Trucking (current storage yard for Mad Atom LLC) at 3034 East 10th Street in the northeast portion of the site.
- Area C, former Food Machinery and Chemical Corporation (FMC Corp.) (current Mad Atom LLC) at 3075 and 3087 12th Street in southwest portion of the site.
- Area D, former Campbell Oil and Poma Distributing at 3010 11th Street in southeast portion of the site.
- Area E, residential at 3009 and 3021 12th Street in southeast portion of the site.

The following sections discuss the purpose, the involved parties, the scope of services, and the limitations and exceptions associated with the Phase I ESA.

1.1 Purpose

In accordance with the ASTM International (ASTM) Standard Practice for ESAs on Commercial Real Estate E1527-13, the objective of the Phase I ESA is to evaluate for recognized environmental conditions (RECs). The term recognized environmental conditions means "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions."

Identification of RECs fall into the following three categories: existing RECs (as defined above); Historical RECs (HRECs); or Controlled RECs (CRECs). HRECs and CRECs are defined as follows:

- HREC – An HREC is defined as "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 (for example, property use restrictions, activity and use limitations [AULs], institutional controls, or engineering controls)." An HREC is an environmental condition, which in the past, would have been considered a REC, but currently may or may not be considered a REC. An example of an HREC may be a former gas station where a release of gasoline had occurred, but the site was cleaned up to an unrestricted land use standard.

- CREC – A CREC is defined as 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 a regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls)." An example of a CREC could be a former gas station where a release of gasoline has been cleaned up to a commercial use standard, but does not meet unrestricted residential cleanup criteria.

1.2 Scope of Services

Ninyo & Moore's scope of services for this Phase I ESA included the activities listed below.

- Reviewed physical setting and background information.
- Performed a site reconnaissance.
- Reviewed federal, state, tribal, and local regulatory agency databases for the site and for properties located within a specified radius of the site.
- Reviewed reasonably ascertainable local regulatory agency files for the site, as applicable.
- Reviewed historical information for the site, such as historical aerial photographs, historical topographic maps, reverse street directories, Sanborn® fire insurance maps, and building department records.
- Reviewed user-provided information, as available.
- Interviewed the property owner representative regarding the environmental status of the site.
- Obtained an environmental lien report from a third-party vender to search for environmental liens and AULs.
- Prepared this Phase I ESA report, summarizing findings and providing opinions and conclusions regarding RECs at the site.

1.3 Significant Assumptions

Ninyo & Moore assumes the information sources from the third-party environmental database vendor, regulatory agencies, and interviewees utilized for this report provided adequate and accurate information. Other significant assumptions were not made during the preparation of this report.

1.4 Limitations and Exceptions

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

The findings, opinions, and conclusions are based on an analysis of the observed site conditions and the referenced literature. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control. Ninyo & Moore cannot warrant or guarantee that not finding indicators of any particular hazardous material means that this particular hazardous material or any other hazardous materials do not exist on the site. Additional research, including invasive testing, can reduce the uncertainty, but no techniques now commonly employed can eliminate the uncertainty altogether.

1.5 Special Terms and Conditions

This study did not include an evaluation of geotechnical conditions or potential geologic hazards. In addition, unless otherwise indicated in this report, this Phase I ESA does not include analysis of the following, which is not intended to be all-inclusive: asbestos-containing materials, methane gas, radon, lead-based paint, lead-containing surfaces, lead in drinking water, underground pipelines, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, mold, or high voltage power lines.

1.6 User Reliance

This report may be relied upon by, and is intended exclusively for, the client and its assigns. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the above-referenced client is undertaken at said parties' sole risk.

1.7 Involved Parties

Mr. Dennis Fee, Senior Staff Engineer with Ninyo & Moore, performed the site reconnaissance on March 27, 2018, and performed historical research and document review in the months of March and April, 2018. Mr. Patrick Cullip, Project Engineer, and Mr. John Jay Roberts, Principal Geologist, performed quality review.

2 SITE DESCRIPTION

The following table provides a general description of the subject site. Photographs taken during the site reconnaissance are provided in Appendix A.

Table 1 – General Site Setting

General Site Setting	Description
Location	The site is located east and adjacent to the Riverside Downtown Metrolink Station in Riverside, California (Figures 1 and 2). The site is comprised of multiple known addresses, including: 3034 and 3084 10th Street, 3010 11th Street, and 3009, 3021, and 3087 12th Street in Riverside, California.
Assessor Parcel Nos.	211-201-004, -006, -007, -008, -026, -027, -028, -030, -037, -039 (County of Riverside).
Property Owners	Mad Atom LLC (Areas A, B, and C), 3010 11th Street (Area D), Abraham & Angelica Agosto, and Otilia Ballesteros (Area E).
Size (approximate)	6.97 acres
Site Use / Occupants	Areas A, B, and C are occupied by Prism Aerospace Inc., which uses the site for the manufacturing of metal products and storage of equipment. Area D (vacant lot) is owned by 3010 Street. Area E is used and occupied by two residences.
Structures	The site is developed with an approximately 113,000 square-foot one-story building at the southwest portion of the site (Mad Atom), two one-story residences at the southeast portion of the site, and one-story office and storage buildings at the northwest portion of the site.
Roads	The site is bound by 10th Street to the north, Howard Avenue to the east, and 12th Street to the south.
Heating and Cooling Systems	Roof-mounted unit observed during site reconnaissance, powered by natural gas and electricity provided by the Southern California Gas Company (So. Cal. Gas) and the City of Riverside, respectively.
Electricity Provider	City of Riverside.
Sewer Disposal Provider	City of Riverside.
Potable Water Provider	City of Riverside.
Site Vicinity Description	Residential properties to the east; parking lot to north; railroad tracks to west; commercial property to south.

3 USER-PROVIDED INFORMATION

Mr. Hector Casillas of RCTC completed the user questionnaire on March 22, 2018. The following table summarizes information provided by Mr. Casillas. A copy of the questionnaire is provided in Appendix B.

Table 2 – Summary of User-Provided Information

User's Responsibilities	User's Responses
Title Records	Title records were not provided by the User.
Environmental Liens or AULs	The User was not aware of environmental liens or AULs recorded against the site. Ninyo & Moore obtained an Environmental Lien and AUL Search report from Environmental Data Resources, Inc. According to the report, AULs were found for portions of the site (Section 4.4.6).

Table 2 – Summary of User-Provided Information	
User's Responsibilities	**User's Responses**
Specialized Knowledge	The User indicated that he did not have specialized knowledge about the site.
Commonly Known or Reasonably Ascertainable Information	The User was aware that the property owned by Mad Atom LLC contained contaminated soil based on the disclosure of the previous owner when Mad Atom LLC purchased the property.
Valuation Reduction for Environmental Issues	The User indicated that the appraisal is ongoing.
Reason for Performing Phase I ESA	Property appraisal.

4 RECORDS REVIEW

The following sections summarize records reviewed for the site.

4.1 Standard Environmental Record Source - Environmental Database Search

A computerized, environmental information database search was performed by Environmental Data Resources, Inc. (EDR) on March 16, 2018. The search included federal, state, tribal, and local databases. A summary of the environmental databases searched, their corresponding search radii, and number of noted properties of potential environmental concern, is presented in the EDR report (Appendix C). The review was conducted to evaluate whether the site or properties within the site vicinity have been documented as having experienced significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects.

4.1.1 Geocoded (Mapped) Listings

Off-site properties within up to 1 mile of the site were listed on various regulatory agency databases. The following table lists databases that were searched and the number of listings (excluding non-geocoded [unmapped] properties).

Table 3 – Summary of Database-Provided Information		
Database Name	**Search Radius (mile)**	**Number of Listings**
Federal Databases		
NPL (National Priority List)	1	1
Proposed NPL	1	0
NPL LIENS (Federal Superfund Liens)	TP	0
Delisted NPL	1	0
FEDERAL FACILITY (Federal Facility Site Information listing)	0.5	0
SEMS (Superfund Enterprise Management System; formerly Comprehensive Environmental Response Compensation and Liability Information System)	0.5	0
SEMS-ARCHIVE (Superfund Enterprise Management System Archive)	0.5	1
CORRACTS (facilities subject to Corrective action under RCRA)	1	0
RCRA-TSDF (hazardous waste treatment, storage, or disposal facilities)	0.5	0
RCRA-LQG (large quantity generator)	0.25	0
RCRA-SQG (small quantity generator)	0.25	7
RCRA-CESQG (conditionally exempt SQG)	0.25	0

Table 3 – Summary of Database-Provided Information		
Database Name	**Search Radius (mile)**	**Number of Listings**
LUCIS (Land Use Control Information System)	0.5	0
US ENGINEERING CONTROL (EC)	0.5	0
US INSTITUTIONAL CONTROL (IC)	0.5	0
ERNS (Emergency Notification System)	TP	0
State/Tribal Databases		
RESPONSE (State Response Sites, State- and Tribal- equivalent NPL)	1	0
ENVIROSTOR (The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program; CERCLIS-equivalent)	1	10
SWF/LF (Solid Waste Information System)	0.5	0
LUST (GeoTracker's Leaking Underground Fuel Tank Report)	0.5	26
SLIC (Spills, Leaks, Investigation and Cleanup database by the California Regional Water Quality Control Board)	0.5	7
UST (registered underground storage tanks [USTs])	0.25	4
AST (registered aboveground storage tanks [ASTs])	0.25	0
FEMA UST (Underground Storage Tank Listing)	0.25	0
VCP (Voluntary Cleanup Program Properties)	0.5	2
CA BROWNFIELDS	0.5	0
Additional/Local Databases		
US BROWNFIELDS	0.5	42
SWEEPS UST (Statewide Environmental Evaluation and Planning System USTs)	0.25	4
HIST UST (Hazardous Substance Storage Container Database)	0.25	9
FID UST (Facility Inventory Database)	0.25	4
DEED (Deed Restriction Listing)	0.5	1
RCRA NONGEN/NLR (RCRA-Non Generators/ No Longer Regulated)	0.25	1
FUSRAP (Formerly Utilized Sites Remedial Action Program)	1	1
Cortese ("Cortese" Hazardous Waste & Substances Sites List)	0.5	1
HIST CORTESE (Hazardous Waste & Substance Site List)	0.5	17
Notify 65 (Proposition 65 Records)	1	5
EDR MGP (EDR Proprietary Manufactured Gas Plants)	1	1
EDR Hist Auto (EDR Exclusive Historical Auto Stations)	0.125	3
EDR Hist Cleaner (EDR Exclusive Historical Cleaners)	0.125	2

Notes:
TP – Target Property
RCRA – Resource Conservation and Recovery Act
LUST – Leaking Underground Storage Tank

The on-site Southern California Gas Company (So. Cal. Gas)/Riverside Gas and Electric Light Company at 3084 East 10th Street (Area A) was reported as a small-quantity generator of hazardous materials and a manufactured gas plant (MGP). The Riverside MGP was also listed under the HIST CORTESE, DEED, VCP, and EnviroStor databases. Deed restrictions associated with the site are discussed in Section 4.4.6. The EnviroStor website was reviewed for further information.

The Removal Action Completion Report (RACR) (Parsons and Iris Environmental, 2012) for the MGP was reviewed on the EnviroStor website. According to the RACR, the MGP operated from 1888 to 1911 and changed ownership from the Riverside Gas and Electric Light Company to the Edison Electric Company and to So. Cal. Gas. From 1911 to 1959. So. Cal. Gas utilized the site for the storage of natural gas with a gas booster pump house. FMC Corp. acquired the site in 1959 and reportedly handled waste oil and solvents during

its use of the site until 1980. A number of evaluations were conducted to establish the presence of the MGP-related contaminants: first in 1993 (Preliminary Endangerment Assessment), then in 2002 and 2004. The evaluations encountered impacts from polynuclear aromatic hydrocarbons (PAHs) and volatile organic compound (VOC) impacts at the site, as well as other contaminants such as lead, arsenic, and cyanide. A health risk assessment was conducted to evaluate the contaminant drivers for human health risks at the site. It was concluded that levels of PAHs, benzidine, tetrachloroethylene (PCE), naphthalene, polychlorinated biphenyls (PCBs), arsenic, and lead were present in some locations at concentrations that could be detrimental to future residential populations. The primary contaminant of concern was concluded to be PAHs in soil. The selected remedial action for the site was excavation and transport of soils for ex-situ treatment at a thermal desorption facility. A Remedial Action Plan (RAP) and Remedial Design and Implementation Plan were prepared, reviewed, and approved between 2007 and 2010 by the DTSC. Field activities implementing the RAP were conducted between July 2010 and February 2011. Excavations varied from two feet below ground surface (bgs) in shallow-impacted areas to 52 feet bgs in deep total petroleum hydrocarbons (TPH)-impacted areas. Approximately 45,042 tons of non-hazardous soil was excavated during the remedial implementation. After excavation and backfilling, a soil gas monitoring program was established. The soil gas monitoring indicated a stabilizing trend for benzene, PCE, trichloroethylene (TCE), and naphthalene. Concentrations of contaminants of concern, primarily PAHs exceeding the health screening levels, were left in-place in soil in inaccessible areas of the site. Thus, appropriate deed constrictions were planned for these portions of the property (Section 4.4.6). The conclusion of the remedial action and acceptance by the DTSC on December 24, 2012 is considered an HREC; the subsequent deed restrictions are considered a CREC to the site.

The on-site facility FMC Corp. at 3087 and 3075 12th Street (Area C) was listed under the SLIC database for an open, inactive case with the Santa Ana Regional Water Quality Control Board (RWQCB). According to GeoTracker, VOCs were detected in several emergency supply wells owned by the City of Riverside in the early 1980s in the proximity of the former FMC Corp. Several evaluations at the former FMC Corp., both on-site and off-site, were conducted; the evaluations concluded that FMC Corp. could not be considered the primary responsible party of the contaminated groundwater plume. The former FMC Corp. is further discussed in Section 4.2.2.

The on-site facility Glen Campbell/Former Poma Distributing Company at 3010 11th Street (Area D) was listed under the SLIC database for an open, inactive case with the Santa Ana

RWQCB. Files with the Santa Ana RWQCB were reviewed for this facility, which are discussed in Section 4.2.2.

Off-site properties/facilities listed in the database report were evaluated as to their potential to impact soil and/or groundwater at the site. To supplement the information in the EDR report, the State Water Resources Control Board (SWRCB) GeoTracker and Department of Toxic Substances Control (DTSC) EnviroStor online databases were reviewed. Information from the EDR database report and supplemental sources is included in the facilities of potential concern summaries below. The following properties/facilities were interpreted to represent a potential environmental concern to the site, based on their proximity to the site, the nature of the database on which they are listed, and/or the assumed direction of groundwater flow in the site vicinity (south-southwest).

Table 4 – Off-Site Facilities of Potential Concern

Facility Name/Address	Distance/ Direction from Site	Database	Summary
Riverside Plume Downton Riverside	Adjoining to the west	SLIC	According to GeoTracker, a plume of contaminants of concern (fertilizers, pesticides, herbicides, and VOCs) has been reported in the Santa Ana River Watershed. The location of the VOC plume was provided by the DTSC, which is discussed in Sections 4.2.1. Plume maps of other contaminants of concern were not provided. The presence of the plume beneath the site is considered a REC.
Royal Citrus Co Inc. 2995 11th Street/ 2989 10th Street	Adjoining to the east	UST FINDS RCRA-SQG HAZNET ECHO	Royal Citrus Co Inc. is reported as a small-quantity generator of aqueous solutions. According to the Southern California Air Quality Management District (SCAQMD) FIND website, the facility was issued a permit to operate a gasoline storage tank in 1992. Violations were not noted. This information is not indicative of a REC.
Rohr Industries Inc./ Atco Rubber Products Inc. 3080 12th Street	Adjoining to the south	FINDS RCRA-SQG HAZNET ECHO LUST Notify 65	Rohr Industries Inc./Atco Rubber Products was listed under multiple environmental databases, including the LUST database for a case closed in July 2014. Files were reviewed at the Santa Ana RWQCB, a summary of which is discussed in Section 4.2.2.
Totalplan Inc. 3131 10th Street	260 feet northwest	SWEEPS UST CA FID UST HIST UST	Totalplan Inc. was listed as containing 550-gallon and 1,000-gallon product USTs. Violations were not noted.
Johnson HH 4120 Vine Street	420 feet west	EDR Hist Cleaner	This facility was listed as a historical drycleaner in 1936. Based on the distance and age of the listing this is not considered an environmental concern.
Palmer H L 4173 Park Avenue	480 feet southeast	EDR Hist Cleaner	This facility was listed as a historical drycleaner in 1945. Based on the distance and age of the listing, this is not considered an environmental concern.
San Antonio Orchards Co. 3141 9th Street	520 feet north	HIST UST EMI	San Antonio Orchards Co. was listed as containing a 760-gallon UST in 1988. The facility was also listed under the EMI for the release of eight tons of organic gases in 1987. This is not indicative of a REC to the site.

Table 4 – Off-Site Facilities of Potential Concern

Facility Name/Address	Distance/ Direction from Site	Database	Summary
Western Polyform Corp. 3888 Commerce	580 feet northeast	FINDS RCRA-SQG ECHO	Western Polyform Corp. was listed as a small quantity generator of hazardous materials and was a plastic and rubber product manufacturer with hazardous air pollutants. According to the SCAQMD FIND website, the facility contains inactive permits for a paint and solvent spray paint booth and a degreaser from 1990, and a solvent reclaim and distillation system from 1986. Violations were not noted; this is not considered an environmental concern to the site.
LA Dist Eng Con Proj OF	670 feet west	EnviroStor	According to EnviroStor, this facility is a former military site that is inactive but needs further evaluation, as of July 2005.
Fairfield Chemicals 3075 14th Street	790 feet southwest	EnviroStor	According to EnviroStor, Fairfield Chemicals is mapped at 3075 14th Street, but is actually located at the Atco Rubber Products facility adjoining to the south of the site. A perchlorate plume was encountered in groundwater in the vicinity of this facility and could be attributed to Fairfield Chemicals/Atco Rubber Products. However, paths of contaminant migration were not evaluated because the current site use did not use many chemicals, and the past site layout was not known. It is unknown if this perchlorate plume is associated with the Riverside Plume mentioned above. The presence of the perchlorate plume adjoining to the south of the site is considered a REC.
Ken's Arco/ Black Gold 2871 University Avenue	1,150 feet northeast	LUST HIST UST SWEEPS UST CA FID UST HIST CORTESE	Three 10,000-gallon gasoline USTs were removed in July 1999, and confirmation soil samples were collected; TPH as gasoline (TPHg), benzene, and xylenes were detected up to 4,850, 18, and 148 milligrams per kilogram (mg/kg), respectively. In 2004, an exploratory boring encountered elevated contamination underneath the tank cavity between 20 and 65 feet bgs: TPHg and benzene, toluene, ethylbenzene, and xylenes (BTEX) were reported at concentrations up to 17,100, 38, 269, 872, and 1,630 mg/kg, respectively. Step out borings encountered elevated concentrations of TPHg between 50 and 85 feet bgs, indicating lateral spreading at depth. Between September 2006 and August 2009, soil vapor extraction (SVE) was conducted which removed approximately 20,100 pounds of hydrocarbons. Confirmation soil borings reported concentrations of TPH up to 2.16 mg/kg. Groundwater monitoring was conducted at sporadic intervals during this time, but showed minimal impacts from TPHg and BTEX. Based on this information, no further corrective action was required. The case was granted case closure by the Santa Ana RWQCB on June 24, 2011.
Imperial Stations, Inc. #3/ Mobil #18-D3H/ Lim Joo Kwang 3315 14th Street	1,210 feet west-southwest	UST LUST SWEEPS UST CA FID UST HIST UST HIST CORTESE	Four USTs (one 12,000-gallon gasoline, two 10,000-gallon gasoline, and one 1,000-gallon waste oil) were removed in March 1999 and replaced with new USTs. Signs of contamination from leaking was observed in exploratory borings around the tanks. As a part of the cleanup effort, a groundwater monitoring well was installed. Low concentrations of methyl tert-butyl ether (MTBE), benzene, and TPHg were detected. An SVE system was installed, and a pilot test was conducted that removed approximately 167 pounds of TPHg. From 1999 to 2007, groundwater was monitored on a quarterly basis, with a decreasing trend of TPHg, benzene, and MTBE. Chlorinated VOCs were detected in groundwater, but were not attributed to this facility. In August, 2006, confirmation soil borings were drilled to 95 feet bgs; BTEX was not detected in the samples. Because of the decreasing trend of TPH and BTEX in soil at the facility and low impacts to groundwater, the case was granted closure by the Riverside County Department of Environmental Health (DEH) on January 25, 2008.
Chevron #96984/ Bubble Machine Car Wash 3304 14th Street	1,330 feet west-southwest	UST LUST HIST UST SWEEPS UST	Three 10,000-gallon gasoline USTs were removed in February 2000. TPHg and BTEX impacts were encountered beneath the tank excavations. Impacted soil was excavated and removed off-site. Between 2004 and 2006 a SVE system was operated with 20,858 pounds of hydrocarbons removed. Groundwater was monitored between 2001 and 2007 with reductions in groundwater levels of TPHg and BTEX. Based on the demonstrated diminished values of TPHg and BTEX in soil and groundwater, case closure was granted by the RWQCB in September 2008.

Table 4 – Off-Site Facilities of Potential Concern

Facility Name/Address	Distance/ Direction from Site	Database	Summary
Riverside Bulk Plant/ Mobil Bulk Plant #04-407 4526 Commerce	1,560 feet southwest	LUST HIST UST SWEEPS UST CA FID UST HAZNET HIST CORTESE	This facility has been evaluated for an approximate 30-year period. The former Mobil Bulk Plant contained ASTs and USTs, which were removed in 1987. Elevated petroleum impacts were encountered underneath fuel USTs due to leaks. NAPL recovery began in 1988, and continued until 2011, removing approximately 75 gallons of product. An SVE and treatment system operated between 1986 and 2008, with rebound tests conducted in 2012 and 2016. Groundwater at the facility has been monitored from 1991 to the present. Benzene was reported as the primary contaminant of concern in groundwater (concentrations up to 9,100 µg/l in 1999; recently reported at 2.9 µg/l in 2017). A request for case closure was denied by the RWQCB in 2012, and continued groundwater monitoring and additional soil sampling are proposed in the near future. Based on the distance and direction of this facility from the site, this is not considered a REC.
Riverside Scrap Iron & Metal Corp. 2993 6th Street	1,730 feet northeast	LUST NPDES SLIC WDS CHMIRS HAZNET Envirostor VCP	This facility is used as a scrap metal recycling facility. Three fuel USTs (one 2,000-gallon, two 500-gallon) were removed on September 30, 1999. TPH and BTEX contamination was encountered approximately 2 feet below the bottom of the excavated tanks. The UST cavity was subsequently over-excavated to 16 feet bgs; where concentrations were detected up to 16 ppm TPHg, 23 ppm TPH as diesel (TPHd), ND<5 ppb benzene, 33 ppb toluene, 210 ppb xylene, and 75 ppb ethylbenzne. Collected confirmation samples encountered residual contaminations of TPH on the bottom and sidewall of the excavation pit (234 ppm TPHg, 564 ppm TPHd). However, delineation of contamination was not feasible due to the historic site usage. The case was closed with the RWQCB, but further assessment was recommended if there was a change in land use. Based on the distance and direction of this facility to the site, this is not considered a REC.
Alark Hard Chrome 2777 Main Street	4,930 feet north	FINDS NPL RCRA-SQG HIST CORTESE SLIC Envirostor Cortese Liens ECHO SEMS	The Alark Hard Chrome facility operated as an electroplating shop from 1971 to 1985. The facility contained numerous plating tanks and a 500-gallon UST that leaked into the subsurface. In 1990 and 1991, a soil evaluation was conducted that encountered total and hexavalent chromium up to 4,380 and 1,100 mg/kg, respectively, to depths up to 40 feet bgs. Elevated concentrations of cadmium, cyanide, and nickel were also reported. Contaminated soil was subsequently excavated and disposed off site in 1994. A groundwater monitoring program began in 1995, which evaluated hexavalent chromium impacts. Additionally, stormwater runoff from the facility was evaluated, and elevated chromium was detected in sediment from the nearby freshwater channel that feeds into the nearby Fairmount Lake and Lake Evans. Due to the high threat to human health and the lack of state funds to address the issue, the facility was transferred to the US EPA NPL. The U.S. EPA currently does not know if and when additional work will be conducted for this facility. Based on the distance of this facility to the site, this is not considered a REC.

Notes:
- Distances and direction provided by EDR
- A complete description of each database is provided in the EDR Report (Appendix C).

It is our opinion that there is a low likelihood that the listings for other off-site properties listed in the database report represent a REC to the site. This opinion is based on one or more of the following factors:

- The nature of the database(s) on which the property is listed, and/or because the property was not listed on a database that reports unauthorized releases of hazardous substances;
- Reported regulatory agency status (i.e., case closed);
- Reported nature of the case (i.e., soil contamination only);
- Reported distance of the property from the site; and/or
- Location of the property in relation to the site with respect to topography or expected groundwater flow direction (south-southwest).

4.1.2 Non-Geocoded (Unmapped) Listings

Three unmapped properties, due to poor or inadequate address information, were in the EDR report. Unmapped properties are shown by EDR as Orphan Sites. Based on the general location information provided for these properties, the types of databases on which these properties were listed, and/or the approximate distance of these facilities from the site, Ninyo & Moore concluded it is unlikely the environmental integrity of the site has been impacted by these unmapped properties and are not considered a REC or indicator of a REC for the site.

4.2 Additional Environmental Record Sources

According to the ASTM Standard, "if the property or any of the adjoining properties is identified on one or more of the standard environmental record sources, pertinent regulatory files and/or records associated with the listing should be reviewed." Regulatory agency files from adjoining properties were not reviewed because they were not listed on searched environmental databases (with the exceptions of the adjoining three properties, the records of which are discussed in Table 4). Records requests were made for the site addresses of 3034 and 3084 10th Street, 3010 11th Street, and 3009, 3021, and 3087 12th Street. Records were also requested for the adjoining leaking underground storage tank (LUST) case at 3080 12th Street. Regulatory records are provided in Appendix D.

4.2.1 Department of Toxic Substance Control (DTSC)

According to representatives of the DTSC Chatsworth and San Diego Offices, files were not found for the site addresses. However, according to DTSC Cypress office, files were found for the site address. Ninyo & Moore conducted a review of the record on April 3, 2018, which is summarized as followed:

So. Cal. Gas at 3084 10th Street (Area A)

A number of reports were provided by the DTSC for this property in the northwest portion of the site, which are also included on EnviroStor for review. The following reports were reviewed:

- June 1994, Preliminary Endangerment Assessment Report
- November 2001, Remedial Investigation Workplan
- September 2002, Supplemental Site Investigation
- August 2004, Groundwater Well Installation and Quarterly Monitoring Report
- October 2005, Well Installation and Quarterly Monitoring Report
- February 2006, Second Quarterly Groundwater Monitoring and 1st Semi-Annual Soil Gas Monitoring Report
- August 2006, Fourth Quarterly Groundwater Monitoring and 2nd Semi-Annual Soil Gas Monitoring Report
- February 2007, Remedial Action Plan
- May 2007, Sixth Quarterly Groundwater Monitoring and 4th Semi-Annual Soil Gas Monitoring Report
- June 2007, Streamlined Remedial Feasibility Study
- August 2007, Seventh Groundwater Monitoring Event
- September 2007, Remedial Design Implementation Plan
- October 2007, Approved Final Remedial Action Plan
- April 2008, Final Remedial Design and Implementation Plan
- September 2008 Ninth Quarterly Groundwater Monitoring and Sixth Semi-Annual Soil Gas Monitoring Report
- January 2009 Tenth Quarterly Groundwater Monitoring and Seventh Semi-Annual Soil Gas Monitoring Report

Multiple site investigation reports, remedial plans, and remedial design implementation plans were prepared for the former So Cal. Gas facility in preparation of the final remedial action conducted on the site between July 2010 and February 2011, which is summarized in Section 4.1.1. The groundwater and soil gas monitoring events indicated PCE and TCE impacts from an upgradient source, which are the primary constituents of concern. Soil gas values did not report an increasing or decreasing trend over time, but were elevated the

closer to groundwater the vapor samples were collected (depth collected up to 80 feet bgs). PCE, TCE, and benzene from the soil probes at 20 feet bgs were detected up to concentrations of 8,710, 183, and 504 micrograms per cubic meter, respectively, over the four year monitoring period.

Concentrations of contaminants of concern, primarily PAHs exceeding the health screening levels, were left in-place in soil in inaccessible areas of the site. Thus, appropriate deed constrictions were planned for these portions of the property (Section 4.4.6). The conclusion of the remedial action and acceptance by the DTSC on December 24, 2012 is considered an HREC; the subsequent deed restrictions are considered a CREC to the site.

Royal Citrus/MLM Trucking at 3084 10th Street (Area B)

An evaluation was conducted by the DTSC on December 18, 2007 in response to complaints about the improper storage of hazardous materials at the property (current storage yard in northeast portion of the site). Mixed used oils, used paints, industrial and vehicle batteries, soda ash, oily sludge, and other miscellaneous hazardous materials were improperly stored in the open yard at the northeast portion of the site. According to the owner at the time, MLM Trucking, the hazardous materials were leftover from when the area was owned by Royal Citrus from the early 1990s to 2000. The site was transferred to MLM trucking in 2000, who leased a portion of the property to Sunrise Custom Storage Inc., Advanced Muffler, and Jack's Auto Repair. Numerous 55-gallon drums containing used oil were improperly labeled and not profiled. Additionally, soil staining was observed around some of the areas. The hazardous materials were relocated to a more secure area, and the owner hired Envirogenesis to conduct work to remedy the situation and achieve compliance with the DTSC. Envirogenesis prepared a report on April 11, 2008 that summarized the proper profiling, labeling, transport, and disposal of soils from the property between January and March 2008. Surface soil samples collected on January 17, 2008 contained elevated levels of TPH. Soils were transferred to a 20 cubic yard roll-off bin, profiled, and disposed at U.S. Ecology in Beatty, Nevada. Based on soil sampling and testing, Envirogenesis stated that additional near-surface investigations and dig and haul operations of TPH impacted soil may be required to achieve residential cleanup goals. Envirogenesis did not indicate if confirmation soil samples were collected after impacted soil was removed. For the purposes of the original complaint and evaluation, the situation was corrected; however, an official acceptance letter from the DTSC was not observed during review. The potential presence of TPH-impacted soils in the yard at the northeastern portion of the site is considered a REC.

4.2.2 Regional Water Quality Control Board (RWQCB), Santa Ana Region

Files were made available for the on-site LUST case at 3010 11th Street (Area D), the former FMC Corp. property at 3087 12th Street (Area C), the off-site LUST case at 3080 12th Street (adjoining to the south), and the Riverside Plume. Records were reviewed on March 22, 2018. The following is a summary of our review:

Former FMC Corp. at 3087 12th Street (Area C)/ Riverside Downtown Plume

Records were requested for the former FMC Corp. at 3087 12th Street (southwest portion of the site) and the contaminated groundwater plume that were both depicted on GeoTracker at the site. An interview was conducted with Kamron Salemi, the caseworker with the Santa Ana RWQCB. According to Mr. Salemi, the former FMC Corp. handled waste oil and solvent until the early 1980s. Under FMC ownership, operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as manufacturing of amphibious landing craft. During removal of a UST in Area A, sludge and leaks were discovered in the tank that triggered an environmental evaluation and monitoring program by the RWQCB. Subsequent groundwater monitoring reported elevated concentrations of VOCs upgradient of the FMC Corp., and therefore FMC Corp. was not considered the primary responsible party but may be one of many contributors of a comingling VOC plume. The primary contaminants of the groundwater plume include VOCs, pesticides, herbicides, and nitrates. Because of the inability to discern a primary responsible party, the cleanup of the plume has been inactive for over 10 years. In March 2017, Mr. Salemi issued a letter to Mad Atom LLC regarding the potential for environmental liability for the purchase of properties overlying the downtown Riverside contaminant plume. The letter stated that if the site is redeveloped in the future for residential purposes, a vapor mitigation measure would be necessary to address chlorinated VOC contamination in soil gas. The letter stated that the RWQCB would not pursue site mitigation enforcement against the site owner if they do not exacerbate existing pollution problems. It was recommended in the letter that subsequent site owners avoid the use of substances of concern to ensure questions do not arise regarding exacerbation of site conditions. Mr. Salemi also stated that the large building currently used for manufacturing was not demolished due to historical significance.

Poma Distributing Company at 3010 11th Street (Area D)

Poma bought the property from Campbell Oil out of bankruptcy in 1991. Site assessments were conducted by Campbell Oil Facility on April 1990, May 1991, and July 1991. Elevated TPH was encountered in soil samples up to 20 feet bgs. Excavation was conducted on

June 8, 1992; however, TPH impacts were encountered beyond the extents of the initial excavation. Poma filed a lawsuit against Campbell Oil because of the flawed evaluation that was conducted by Campbell Oil. In March 1996, a Phase II screening report was conducted that evaluated the potential for remediation. A soil vapor extraction (SVE) and treatment system operated at the on-site facility at 3010 11th Street from July 22, 1999 to October 2000 and removed approximately 1,960 pounds of TPH compounds. The SVE system was stopped because the SVE company (Park Corporation) went out-of-business. A follow-up evaluation was conducted in August 2002, which reported that TPH impacts were still present beneath the site. TPHg was reported in one boring at 13,000 milligrams per kilogram (mg/kg) at three feet bgs and 10,000 mg/kg at 30 feet bgs. Plans for the additional remediation of contaminants in 2002 (Poma) and 2008 (housing developer) were not implemented. The case is still currently open and inactive. The presence of TPH impacts at the former Campbell Oil and Poma Distributing at 3010 11th Street is a REC.

Solarmax at 3080 12th Street (Offsite adjoining to the south)

In June 2012, one 1,000-gallon gasoline UST was removed and three 1,000-gallon USTs were abandoned in place. Soil samples collected beneath the USTs had diesel impacts at 1,855 and 605 mg/kg under tanks T1 and T4, respectively. Soil borings were advanced at the two former tanks. Diesel impacts were observed underneath tank T4 up to 20 feet bgs (concentrations up to 1,190 mg/kg). Further remediation to remove diesel-impacted soils was not considered technically or economically feasible due to site constraints. The shallow diesel concentrations were not considered a threat to groundwater by the environmental consultant, Reynolds Group, due to the depth of groundwater being over 100 feet bgs. The presence of TPH impacts adjoining the southern portion of the site is not considered a REC.

4.2.3 City of Riverside

Files were made available by the City of Riverside on their online records request portal on March 23, 2018. Files reviewed consisted of the following for the on-site addresses of 3087 12th Street (Area C), 3010 11th Street (Area D) and the south and adjoining facility at 3080 12th Street:

- **3087 12th Street (Wolverine Western Corp.)** (Area C) – Business Emergency Plan from July 1989.
- **3010 11th Street (Campbell Oil)** (Area D) – acknowledgement and renditions by the AQMD of plans to install a vapor recovery system for gasoline aboveground storage tanks (ASTs) in November 1975.

- **3010 11th Street (Poma Automated Fueling)** (Area D) – notice of safety violations by the Fire Department for the repair of diesel and gasoline pumps, removal of contaminated absorbent, and replenishment of absorbent in June 1993.

- **3010 11th Street (Poma Distributing)** (Area D) – permit from the Fire Department for the removal of two 20,000 gasoline tanks and two 30,000 diesel fuel tanks on August 22, 1997.

- **3080 12th Street (Paramount Can Company)** – Business Emergency Plan from December 1991.

- **3080 12th Street (Atco Rubber Products, Inc.)** – Hazardous Materials Business Emergency Plan from February 2008.

- **3080 12th Street (Atco Rubber Products, Inc.)** – submittal to the California Environmental Reporting System in February 2010 disclosing the amount of hazardous materials residing at the facility (100,758 pounds of fibrous glass wool).

- **3080 12th Street (Solarmax)** – Underground Storage Tank Closure Report from July 20, 2012, and Request to Abandon in Place three of four USTs. The USTs were requested to be abandoned in place because removing them could undermine the structural integrity of the building. This information was reviewed at the RWQCB (Section 4.2.2).

- **3080 12th Street (Solarmax)** – Violation of safety issued by the Fire Department for the failure to complete a Hazardous Materials Business Emergency Plan.

4.2.4 County of Riverside Department of Environmental Health

Files were made available by the Riverside Department of Environmental Health (DEH) on April 10, 2018. Documents reviewed, primarily forms and photographs, pertained to the tank closures at the Solarmax Technology facility at 3080 12th Street, adjoining the south of the site. A review of the tank abandonment is provided in Section 4.2.2.

4.2.5 South Coast Air Quality Management District

Ninyo & Moore reviewed the South Coast Air Quality Management District Facility Information Detail Search (FIND) website for records regarding the site addresses. The business Campbell Oil Co. (Area D) was issued permits for bulk load gasoline tank trucks and gasoline service, storage, and dispensing stations in 1983 and 1990. Poma Distributing (Area D) was issued a permit for a bulk load multi-rack gasoline facility in 1992 and an SVE and treatment system in 1999. Violations were not noted.

4.2.6 Online Regulatory Databases

Online regulatory databases were reviewed by Ninyo & Moore to supplement the environmental database search conducted by EDR. The following is a summary of information.

Table 5 – Online Regulatory Databases

Online Database/Website	Findings
California Department of Toxic Substances Control (DTSC) EnviroStor	Area A was listed on the EnviroStor website as the So. Cal. Gas/Riverside MGP. This and other facilities located within 1,000 feet of the site were reviewed on EnviroStor, which is discussed in Sections 4.1.1 and 4.2.1.
State Water Resources Control Board (SWRCB) GeoTracker	Areas C and D were listed on the GeoTracker website as FMC Corp. at 3087 12th Street and Former Poma Distributing Company at 3010 11th Street, respectively. This and other facilities located within 1,000 feet of the site were reviewed on GeoTracker, which is discussed in Sections 4.1.1 and 4.2.2.
California Department of Resources Recycling and Recovery (CalRecycle) Solid Waste Information System	Neither the site nor properties within 1,000 feet were listed.
United States Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System Map Viewer	Hazardous liquid pipelines and/or gas transmission pipelines were not depicted within 1,000 feet of the site.
US Army Corps of Engineers, Formerly Used Defense Sites (FUDS), Geographic Information System	FUDS listings were not depicted within 1,000 feet of the site.
State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) Well Finder website	The site does not lie within the administrative boundary of an oil and gas field. The nearest oil well is over 6 miles from the site.

4.3 Physical Setting

The following table summarizes topographic, geologic, and hydrogeologic conditions in the vicinity of the site, based upon the referenced documents review and/or our visual reconnaissance of the site.

Table 6 – Physical Setting

Physical Settings	Reference	Summary
Topography	A	The site elevation ranges between approximately 890 to 870 feet above mean sea level. The regional topography slopes to the west-northwest.
Site Geology	B, C	The site is located within the Peninsular Ranges Geomorphic Province near the Santa Ana River, northeast of the Santa Ana Mountains, northwest of the Perris Plain, southeast of the San Gabriel Mountains, and southwest of the San Bernardino Mountains. Based on a report prepared by the Kendall/Adams Group for the portion of the site at 3010 11th Street (APN 211-201-030, Area D), the site is underlain by varying lenses of silts, sands, and silty sand to the depth explored of 60 feet bgs.
Surface Water	D	According to the United States Fish and Wildfire Wetlands map, the nearest surface water body is the Riverside Canal, which is adjoining to the west of the site. However, the canal was not observed during the site reconnaissance, and aerial photographs of the site do not depict the canal to the west of the site for the years 2006-2014.

Table 6 – Physical Setting		
Physical Settings	**Reference**	**Summary**
Groundwater	E	Recent groundwater information for the site was not available. According to the SWRCB GeoTracker website, groundwater was measured at the Former Mobil Bulk Plant at 4526 Commerce Street, approximately 1,500 feet southwest of the site, in June 2017 between 113 and 115 feet bgs. The groundwater gradient was reported to flow towards the south-southwest. Groundwater levels, gradient, and flow direction can fluctuate due to seasonal variations, groundwater withdrawal or injection, changes in land use, and other factors.

References:
A – United States Geological Survey (USGS), Riverside East, California, 7.5-minute quadrangle map (USGS, 2012)
B – Norris, R.N., and Webb R.W., Geology of California, Second Edition: John Wiley & Sons.(Norris & Webb, 1990)
C – Kendall Adams Group, 2002, Report on Follow-on Boring Investigations, 3010 11th Street, Riverside, California, dated August
D – U.S. Fish and Wildlife, 2018, Wetlands Mapper, https://www.fws.gov/wetlands/data/mapper.html
E – Cardno, 2017, Fourth Quarter 2016 Through Second Quarter 2017 Groundwater Monitoring and Status Report, Former Mobil Bulk Plant 04407, 4526 Commerce Street, Riverside, dated July 13

4.4 Site Historical Use Information

Ninyo & Moore conducted a historical record search for the site. This included a review of city directories, historical fire insurance maps, historical aerial photographs, topographic maps, and building department records. The following sections summarize information obtained from the historical sources utilized for this assessment.

4.4.1 City Directories

Available street directories of the site addresses and adjoining addresses from 1930 through 2014 were provided by EDR. A copy of the city directory listings is provided in Appendix E. The following is a summary of city directory listings for known site addresses:

3084 10th Street (Area A)

- Southern California Gas Co. Plant, 1930-1960
- Auto Buyline Systems Inc., 2005-2014

3034 10th Street (Area B)

- Whitehead Food Products, 1930 -1939
- Cal Farms Products, 1945-1946
- Universal Marketing Co., 1951-1955
- Riv Oultry Colnc, 1960

3087 12th Street (Area C)

- Parker Machine Works, 1930-1936
- Vacant, 1939

- Wolverine Western Corp., 1986-1990
- Ross Vending, 2005-2014

3010 11th Street (Area D)

- Campbell Oil Co., 1951-1990

3009 12th Street (Area E)

- Torres Ysidro, 1930
- Lopez Sostenez, 1936-1955
- Ballesteros Tony, 1960-1977
- Ballesteros Julia, 1986-2001

3021 12th Street (Area E)

- Antonio Hernandez, 1930-1945, 2001
- Hernandez V L, 1955
- Hernandez Mary, 1960
- Hernandez Felipe Victoria, 1966
- Lopez Aurelio, 1977

Based on a review of city directory records, the site was used for mixed residential and commercial/industrial use from 1930 to the present. Adjoining properties on city directory records included oil companies, an ice and cold storage facility, citrus companies, a rubber products manufacturer, and multiple residences.

4.4.2 Sanborn® Fire Insurance Maps

Sanborn® Fire Insurance maps for selected years between 1887 and 1969 were provided by EDR. A summary of the Sanborn® Fire Insurance maps is presented in the following table. EDR-provided Sanborn® Fire Insurance maps are included in Appendix E.

Table 7 – Sanborn® Fire Insurance Maps Summary	
Date	**Summary**
1887	The site was mapped as containing "scattered dwellings." West and adjoining the site were railroad tracks and an irrigation ditch, beyond which was a lumber company and "Spanish Town." Adjoining to the north of the site was a lumber yard, hay barn, and a residence.
1888	Areas A and B were occupied by "Walker and Banta Planning Mill" containing a gasoline holder tank, sheds, dwellings, and a commercial structure at the northeast corner. Pachapa Avenue was presents at the northwest corner of the site. 10th Street was present to the north of the site. Dwellings were present to the east of the site. An irrigation flume was observed adjoining to the west of the site.
1891	Earl Fruit Co. was present adjoining the north of the site.
1895	Riverside Gas & Electric Light Company Works occupied Area A. The facility contained a 25,000-cubic-foot gas holding tank, coke and coal sheds, and 6,000-gallon crude oil UST. A.N. Younglove Oil Warehouse occupied the northwest corner of Area A and contained two 5,900-gallon oil tanks and one 8,500-gallon gasoline tank. "Pioneer Lumber Mill Company" was present in Area C. Numerous residential structures were present in Areas B, D, and E). Howard Avenue, 11th Street, and 12th Street were present in the current configurations, except Howard Avenue was not connected between 11th and 10th Street. An alley labeled "152" divided residences at the southeast portion of the site. Griffin and Skelley Orange and Raisin Packaging was present adjoining the south of the site.
1908	Edison Electric Co's Gas Works occupied Area A, and consisted of three large gas holding tanks. Railroad tracks crossed through the center of the site bearing northeast-southwest, and spur tracks were observed in Area C. A fertilizer warehouse occupied Area B that was the former Planning Mill. Riverside Foundry and Machine Works occupied Area C and contained a machine shop, foundry, pattern storage, and spur tracks leading to the facility. National Ice & Cold Storage was present adjoining the west of the site beyond the railroad tracks. California Citrus Unions occupied a structure adjoining the north of the site. Areas B, D, and E and adjoining land to the east contained primarily residences.
1950 1952 1953 1954 1955 1957 1958	Area A was occupied by So. Cal. Gas, and consisted of two gas holding tanks, two automobile garages, a gas booster pump house, and two storage rooms. Area B was occupied by Universal Marketing Company and was utilized for the storage and packing of food. Area C was occupied by the Food Machinery Corporation Citrus Machine Division (FMC Corp.), and consisted of machine shops, sheet metal department, offices, and laboratory rooms. The eastern portion of the site was occupied by two oil companies: Campbell Oil Company (Area D) and Home Oil Company (Area B). The oil companies contained numerous crude oil tanks, oil warehouses, loading racks, and automobile storage areas. Area E was used for residences. The site vicinity to the east was primarily residences, to the north were automobile loading and grocery storage and packing, and to the south were structures used for shipping, storage, and machine assembly. The site vicinity to the west remained relatively unchanged since 1908. Between 1953 and 1954, Pachapa Avenue was renamed Commerce Street. The spur tracks in Area C were not depicted.
1959	Riverside Poultry Co. was present in Area B.
1960	Railroad tracks at the southern portion of the site were not depicted, and replaced with a "Craneway" (Area C). Campbell Oil is not labeled on the site, and crude oil tanks are not present (Area D). Gas holding tanks and automobile garages at the So. Cal. Gas are not present (Area A).
1961 1962	Food Machinery Corporation relabeled "Food Machinery and Chemical Corporation" (Area C). Home Oil Company was relabeled "Tidewater Oil Corporation" (Area B).
1968 1969	FMC Corp. occupied Area A with a chemical warehouse and offices; So. Cal. Gas was not present on the site. Tidewater Oil Corporation was renamed "Phillips Petroleum Company" (Area B).

4.4.3 Historical Aerial Photographs

Historical aerial photographs were provided by EDR and reviewed for select years from 1931 through 2014. Online using Google Earth for 2014 and 2017. A listing of the photographs reviewed and summary of observations from the photograph review are provided in the table below. EDR-provided aerial photographs are included in Appendix E.

Table 8 – Aerial Photographs Summary		
Date	**Source**	**Summary**
1931	A	Multiple commercial/industrial structures were present in Areas A, B, and C. A large holding tank was present in Area A. Rows of oil tanks were present in Areas B and D. Residential structures were depicted in Area E. Railroad tracks bear northeast-southwest through the center of the site. A railroad track adjoins the west side of the site. 10th Street, 11th Street, 12th Street, and Howard Avenue were present in their current alignments, with the exception of Howard Avenue which does not connect between 10th and 11th Streets. Residences were present adjoining the east of the site. Commercial/industrial structures were present adjoining the north and south of the site.
1938	A	A building (current 1-story manufacturing building) was under development in Area C. Additional structures were developed in Areas A and B. Additional oil tanks were present in Areas B and D.
1949 1953	A	The building in Area C was constructed. Additional structures were developed in Area A, including an additional holding tank by 1949. Commercial structures were developed adjacent to the south and west. A holding tank in Area A was removed by 1953.
1959	A	Buildings in Area A were demolished and new structures were developed. Railroad tracks were not visible on the site; an extension to the manufacturing building was developed over the former railroad tracks (Area C).
1967	A	The holding tank was not present in Area A. Oil tanks in Areas B and D were removed.
1978 1985	A	Commercial structures and oil tanks and associated structures in Area B were demolished. Howard Avenue was extended between 10th and 11th Streets; buildings in this area were demolished.
1989 1990	A	Area A was used for vehicle and freight storage.
1994	A	The commercial structure adjoining the west of the site beyond the railroad tracks was converted to a parking lot.
2006	A	Area B was used for miscellaneous storage. The commercial structure adjoining the north of the site was demolished.
2010	A	The building structure adjoining the north of the site was converted to a parking lot.
2014 2017	A,B	Structures in Area A were demolished. The area was freshly paved.

Sources:
A – EDR
B – Google Earth

The site was developed with multiple structures on the site since 1931. By 1949, the manufacturing building in Area C (former FMC Corp.) was constructed, and additional structures were added to Area A (former So. Cal. Gas). Additionally, several oil companies (Campbell Oil and Home Oil) were present on Areas B and D. Between 1953 and 1985, commercial structures in the northern and eastern portions of the site (Areas A, B, and D) were demolished and were eventually used as a storage yard. Residential structures were present in Area E from 1931 to the present. Railroad tracks were present along the west side of the site also from 1931 to the present. Railroad tracks were present traversing the site between 1931 and 1949.

The historical presence of a railroad right-of-way (ROW) on the site presents a potential for contamination resulting from leaks or spills from the railcars or historic application of

surface chemicals during railroad operations. Incidents of accidents or spills along the railroad tracks were not reported in the Emergency Response Notification System (ERNS) database (Section 4.1.1). Additionally, evidence of spills on the former ROW was not observed. Based on Ninyo & Moore's experience, the suspected presence of railroad related chemicals in shallow site soils due to operation of the railroad tracks would be considered a REC for the site. PAHs, TPHs, PCBs, organochlorine pesticides (OCPs), chlorinated herbicides, and metals are typically detected along railroad easements from operational activities, spills, and use of herbicides.

4.4.4 Building Department Records

Available building department records were provided by the City of Riverside Department of Building and Safety. The historical research focused on review of permits that documented conditions that constitute evidence of RECs associated with the site (such as USTs, boiler tanks, wells, ASTs, etc.). According to records reviewed, a permit for a compressor building was issued for So. Cal. Gas at 3084 10th Street in 1931 (Area A). In 1940, a permit for the construction of a gasoline holding tank was issued. In 2010, a demolition request was issued for a storage shed that was to comply with the SCAQMD asbestos rules.

Several miscellaneous permits were issued for Royal Citrus at 3087 12th Street (Area C) in the 1990s, including restroom restorations, plumbing and electrical permits, mechanical equipment permits, and retaining walls and steel frame renovations. In 1995, Royal Citrus prepared a hazardous materials disclosure form, and indicated that they store and handle hazardous materials. In 1996, an ammonia and water mixing tank was installed at the Royal Citrus.

In 1948, a house moving permit was issued for Campbell Oil at 3010 11th Street (Area D). In 1997, a demolition request was made by Poma Distributing Company at 3010 11th Street. Asbestos was not detected in a survey of the building to be demolished; the building demolition was to be conducted through a controlled burn overseen by the Riverside Fire Department. A permit by Poma was issued in 1998 for a "vapor redemption system" and a gas line for an emissions burner. In 1998, a hazardous materials disclosure form prepared by Poma indicated there were not hazardous materials at this facility.

Miscellaneous building permits for electrical and plumbing renovations for the residences at 3009 and 3021 12th Streets (Area E) were issued between 1937 and 1997.

The review of building permit records did not indicate additional evidence of RECs associated with the site that were not observed in other records. Building permits are provided in Appendix E.

4.4.5 Historical Topographic Maps

Historical topographic maps were provided by EDR for select years from 1901 to 2012, and are included in Appendix E. A summary of the maps is provided in the table below.

Table 9 – Historical Topographic Maps Summary

Date	Summary
1901	The S.C. Railroad and the Riverside Canal were depicted trending southwest-northeast adjoining the west of the site. The site was occupied with multiple structures. Structures were observed on adjoining properties.
1942	Railroad tracks were depicted trending southwest-northeast through the middle of the site. Small structures were not observed on the site; a large commercial structure was depicted in Area C. The site vicinity was primarily commercial to the north and west of the site and residential to the east.
1947 1953	A church was present adjoining the southeast of the site.
1967 1980	Railroad tracks were not observed on the southern portion of the site. A large building was developed adjoining to the south. The church to the southeast of the site was not present. Storage tanks were depicted in Areas A, B, and D.
1973	Map of the site unavailable.
2012	Structures were not depicted on the site.

4.4.6 Environmental Lien and AUL Search

An environmental lien search was provided by EDR and dated March 23, 2018. According to the EDR Environmental Lien and AUL report, AULs were found for the site APNs 211-201-004 and 211-201-039 (Areas A and C, as shown on Figure 2). A land use covenant (LUC) was issued by the DTSC to the then owner of the property (MLM Properties, LLC) in 2012. The LUC was administered after the RACR was conducted at the former So. Cal. Gas in Area A. The LUC was applied to areas where soil remediation did not occur during the RACR (Section 4.1.1). The LUC consists of the following restrictions for portions of the Areas A and C:

- The property shall not be used as a residence, hospital, school, daycare, or other similar sensitive use resulting in indoor habitation greater than 12 hours a day.
- Soil disturbance activities shall not be allowed on the property without approval of the soil management plan (SMP) by the DTSC and prior notification. Any soil removal in the property shall be managed in accordance with all applicable state and federal provisions.
- Any entities administering the long-term monitoring of the property shall be provided with reasonable right of entry and access to the property.
- Activities that may disturb, alter, damage, or destroy groundwater monitoring wells on the property are prohibited unless given authorization by the DTSC. The use of the property shall preserve the integrity and physical accessibility of the groundwater

monitoring wells. The DTSC shall be notified about any damage caused to the groundwater monitoring wells.

- Annual reports shall be submitted to the DTSC regarding compliance with the LUCs.

The presence of the LUC on portions of the site is considered a CREC. A copy of the EDR Environmental LienSearch™ report is included in Appendix E.

The current legal owners were listed as Mad Atom, LLC for APNs 211-201-004, -006, -007, -008, -026, -037, and -039 (Areas A, B, and C); 3010 Street, LLC for APN 211-201-030 (Area D); Abraham and Angelica Agosto for APN 211-201-027 (Area E); and Otilia Ballesteros for APN 211-201-028 (Area E).

4.5 Previous Reports

Previous environmental reports for the site or vicinity were not provided by the client for review.

4.6 Adjoining Property History

The adjoining property to the west was developed with a railroad from 1887 to the present. Beyond the railroad was an Ice and Cold Storage Facility from 1908 to 1969. In 1994, the facility was converted into a parking space for the Downtown Riverside Metrolink Station. The land adjoining to the south of the site has been used for commercial/industrial purposes from 1950 to the present, including a rubber products manufacturer and a solar energy company. The land adjoining to the north was used for commercial/industrial purposes from 1891 to 1994, including a lumber yard, multiple fruit and citrus companies, and automobile loading. The land adjoining to the north was converted to a parking lot in 2006. The land adjoining to the east of the site has been primarily residential.

5 SITE RECONNAISSANCE

The objective of the site reconnaissance was to obtain information indicating the potential for RECs in connection with the site. Mr. Dennis Fee conducted the reconnaissance on March 27, 2018 with Mr. Hector Casillas of RCTC, and met with a representative of the owner of Areas A, B, and C, Mr. Alexey Zabolotskikh. The owner of Area D, Mr. Mike Poma, was also interviewed. A site plan is provided as Figure 2 and photographic documentation is provided in Appendix A.

5.1 Methodology and Limiting Conditions

The site reconnaissance consisted of walking on the site to observe potential RECs, if any. The site reconnaissance did not include observation of the interior of the residences in Area E.

5.2 General Site Setting

At the time of the site reconnaissance, Areas A, B, and C were occupied by Prism Aerospace (Prism). Prism is a manufacturer of airplane parts and other miscellaneous metal goods such as light fixtures and tent structures. Prism occupies an approximately 113,000 square-foot one-story building (Area C, APN 211-201-039) used for parts storage, metal testing, refining, welding, and assembling. APNs 211-201-006 and 211-201-026 (Area C) are attached to the building and are also used by Prism for parts manufacturing. The evidence of a former railroad track, which has been covered with concrete, was observed trending northeast-southwest on the parcel 211-201-006. A municipal water well operated by the City of Riverside is located at the northwest corner of the manufacturing building (Area C). An abandoned elevator shaft was observed at the southern portion of the manufacturing building (Area C), with an associated pump and hydraulic oil system. Staining or other signs of release of oils was not observed. However, the exact age of the elevator is unknown, but has been inoperable for many years and is not permitted with the Building Department. This is considered a REC. APNs 211-201-004 (Area A), -007, -008, and -037 (Area B) are used as storage yards for Prism. APN 211-201-004 (Area A) contains several small structures at the northern end used for offices and for the storage of equipment such as welding gases and generators. A large oven was observed adjoining the northeast end of the manufacturing building. Hazardous materials observed at the site included propane tanks used for forklifts, and small quantities of flammables within a designated cabinet. As part of the land use agreement, Prism does not have fuel storage tanks or other large quantities of hazardous materials on the site that could exacerbate the contamination issues already present from previous owners. Significant staining or signs of release were not observed. APN 211-201-030 (Area D) is owned by Mike Poma and is currently a vacant lot that is used for parking of freight trucks. This parcel also contains an abandoned SVE system within a fenced enclosure. APNs 211-201-028 and -027 (Area E) consist of residential structures.

5.3 Adjoining Property Observations

Adjoining properties were observed from the site and from publicly accessible vantage points (e.g., streets, sidewalks) during the site reconnaissance. The properties adjoining the site are as follows and as depicted on Figure 2:

- **North**: 10th Street, beyond which are parking lots and a commercial building.
- **East**: Howard Avenue, beyond which are residential properties.
- **South**: 12th Street, beyond which is Solarmax Technology, Inc., a solar energy company.
- **West:** Railroad tracks for the Riverside Downtown Metrolink Station.

5.4 Site Observations

Ninyo & Moore evaluated the site for evidence of the following potential environmental concerns:

Table 10 – Site Observations Summary

Conditions	Observed or Noted	Comments
Hazardous Substances/Petroleum Products	X	Approximately 30 10-gallon propane tanks used for forklifts were stored at the western end of the storage yard in Area A. A flammables cabinet containing small quantities of flammables was observed within the manufacturing building (Area C).
Waste Generation/Storage/Disposal		Not observed
ASTs		Not observed
Potential Evidence of USTs		Not observed
Potential PCB-Containing Equipment	X	Multiple pad mounted transformers were observed on the eastern and western ends of the storage yard (Area A). Signs of staining or release of PCBs not observed.
Chemical/Petroleum Odors		Not observed
Concrete Patches/Pads	X	Concrete patches and pads were observed around the manufacturing building (Area C). The nature of the patches and pads is unknown, but may be related to the environmental investigation of the former FMC Corp.
Pools of Liquid		Not observed
Sewage Discharge Pipes		Not observed
Floor Drains/Sumps	X	Floor drains were observed around the manufacturing building (Area C) and storage yard (Area A). Additionally, storm drains were observed in a natural depression at the western edge of 11th Street. Staining or other signs of release of hazardous materials were not observed.
Elevator	X	An abandoned elevator shaft was observed at the southern portion of the manufacturing building (Area C). This is considered a REC.
Wells	X	A municipal water well operated by the City of Riverside was observed at the northwestern portion of the manufacturing building (Area C).
Drums		Not observed
Unidentified Substance Containers		Not observed
Stained Soil or Pavement	X	Minor oil staining observed on pavement.
Stressed Vegetation		Not observed
Pits, Ponds, or Lagoons		Not observed
Wastewater Discharge Disposal Systems		Not observed
Septic Systems/Cesspools		Not observed
Municipal Solid Waste Disposal Areas		Not observed

6 INTERVIEWS

Interviews were conducted by Ninyo & Moore with the objective of obtaining information regarding potential RECs in connection with the site. Interviews with present owners, operators, and/or occupants of the site, as well as other knowledgeable parties as appropriate, is mandated by ASTM E 1527-13. A summary of the interviews conducted is provided in the table below.

Table 11 – Interviews	
Representative	**Summary**
Property Owner Representative – Areas A, B, and C (Mr. Alexey Zabolotskikh)	Mr. Alexey Zabolotskikh of Lee & Associates Real Estate Services, a representative of the property owner, Mad Atom LLC, was available during the site reconnaissance to discuss the site. According to Mr. Zabolotskikh, the site was formerly owned by FMC Corp., who manufactured amphibious craft for the military. It was also stated that FMC Corp. is liable for cleanup at the site, which was a clause written into the purchase agreement of former property transactions. Mr. Zabolotskikh stated that the current property owner and occupant, Prism/Mad Atom LLC, does not operate hazardous materials storage tanks that could jeopardize the LUC.
Property Owner – Area D (Mr. Mike Poma)	Mr. Mike Poma of 3010 Street was available during the site reconnaissance to discuss the site. According to Mr. Poma, numerous oil and gas companies and citrus companies occupied the area and have contributed to a contaminated plume, including an Arco station on Park Street (Ken's Arco [Section 4.1.1]). Mr. Poma stated that his parcel does not have any current uses, except for parking by freight trucks. He was sold his parcel by Campbell Oil out of bankruptcy in the early 1990s, but eventually filed a lawsuit against Campbell Oil because of an inadequate site evaluation that was conducted by them. Gasoline contamination was discovered that Campbell Oil was liable for. An SVE system operated on the site for one year between 1999 and 2000, but was shut down because the SVE company went out of business. The SVE system is within a fenced compound, and has not been removed to date. Mr. Poma stated that most of the contamination on his property has been cleaned up.
Past Owners	Past ownership entities were not made available to Ninyo & Moore during the preparation of this ESA. Therefore, interviews with past site owners were not conducted.

7 VAPOR MIGRATION

Ninyo & Moore conducted a preliminary vapor encroachment screen (pVES) for potential chemicals of concern (COCs) that may migrate as vapors onto the site as a result of contaminated soil and/or groundwater near the site. The purpose of the pVES is to identify a vapor encroachment condition (VEC), which is the presence or likely presence of COC vapors in subsurface soils at the site caused by the release of vapors from contaminated soil or groundwater either on or near the site. The potential for VEC beneath the site was evaluated using a Vapor Encroachment Screening Matrix (VESM). The VESM included performing a Search Distance Test to identify if there are any known or suspect contaminated sites surrounding or upgradient of the site within specific search radii, a COC Test (for those known or suspect contaminated sites identified within the Search Distance Test) to evaluate whether or not COCs are likely to be present, and a Critical Distance Test to evaluate whether or not COCs in a contaminated plume may be within the critical distance of the site (100 feet for non-petroleum contaminants, and 30 feet for petroleum hydrocarbon contaminants). Based on the results of the VESM, it is likely that a VEC exists beneath the site. Additionally, VOC impacts to soil vapor have been previously documented at the site (Section 4.1.1). A copy of the VESM is included in Appendix F.

8 FINDINGS

Based upon the results of this Phase I ESA, the following findings are provided.

- The site consists of ten APNs adjoining the Riverside Downtown Metrolink Station, totaling approximately 6.97 acres in Riverside California. The current legal owner was listed as Mad Atom, LLC for APNs 211-201-004, -006, -007, -008, -026, -037, and -039 (Areas A, B, and C); 3010 Street, LLC for APN 211-201-030 (Area D); Abraham and Angelica Agosto for APN 211-201-027 (Area E); and Otilia Ballesteros for APN 211-201-028 (Area E).

- At the time of the site reconnaissance, Areas A, B, and C were occupied by Prism Aerospace (Prism). Prism is a manufacturer of airplane parts and other miscellaneous metal goods such as light fixtures and tent structures. Area D is owned by Mike Poma of 3010 Street and is currently a vacant lot that is used for parking of freight trucks. This parcel also contains an abandoned SVE system within a fenced enclosure. Area E consists of residential structures.

- The site overlies a groundwater plume impacted by VOCs, pesticides, herbicides, nitrate, and perchlorate, and known as the Riverside Plume. Sampling of groundwater between 2005 and 2008 showed significant VOC impacts (primarily PCE and TCE) in the site vicinity.

- A MGP operated in Area A from 1888 to 1911, and changed ownership from the Riverside Gas and Electric Light Company to the Edison Electric Company, and then to the Southern California Gas Company. From 1911 to 1959, the Southern California Gas Company utilized the site for the storage of natural gas with a gas booster pump house. Several evaluations were conducted to establish the presence and health risk of the MGP-related contaminants; it was concluded that levels of PAHs, benzidine, PCE, naphthalene, PCBs, arsenic, and lead were present in some locations at concentrations that could be detrimental to future residential populations. The selected remedial action for the site was excavation and transport of soils for ex-situ treatment at a thermal desorption facility. Field activities were conducted between July 2010 and February 2011. Excavations varied between two feet bgs in shallow-impacted areas and 52 feet bgs in deep TPH-impacted areas. Approximately 45,042 tons of non-hazardous soil was removed during the remediation implementation. After excavation and backfilling, a soil gas monitoring program was established. The soil gas monitoring indicated a stabilizing trend for benzene, PCE, and TCE, and naphthalene. The remedial action and acceptance by the DTSC in areas where remediation was conducted is considered an HREC.

- According to EDR's Environmental Lien and AUL Search report, AULs exist for Areas A and C. The AULs exist for portions of the former So Cal. Gas Co. facility on the parcels 211-201-004 and 211-201-039 where excavation of contaminants could not be conducted due to accessibility issues (Figure 2). The LUCs on these portions of the site dictate that the site shall not be used for sensitive receptors, soil disturbance activities shall not be conducted without the preparation of an SMP and consent of the DTSC, and groundwater monitoring wells shall not be disturbed, among other provisions (Section 4.4.6). The presence of the LUC on portions of the site is considered a CREC.

- According to Sanborn® maps and aerial maps reviewed, Home Oil, which later changed its name to Tidewater Oil Co. and Phillips Petroleum Co., occupied Area B from 1931 to 1967. The facility contained numerous oil tanks, loading docks, and a pump house. An evaluation was conducted by the DTSC in 2007. Several hazardous materials were improperly stored in the open yard at the northeast portion of the Area B. Numerous 55-gallon drums

containing used oil were improperly labeled and not profiled. Additionally, soil staining was observed around some of the areas. The hazardous materials were relocated to a more secure area, and an evaluation was conducted to achieve compliance with the DTSC. The 2008 report summarized the property profiling, labeling, transport, and disposal of soils from the property between January and March 2008. Surface soil samples collected on January 17, 2008 contained elevated levels of TPH. Soils were transferred to a 20 cubic yard roll-off bin, profiled, and disposed at U.S. Ecology in Beatty, Nevada. Based on soil sampling and testing, Envirogenesis (Phillips Petroleum's environmental consultant) reported that additional near-surface investigations and dig and haul operations of TPH impacted soil may be required to achieve residential cleanup goals. Envirogenesis did not indicate if confirmation soil samples were collected after impacted soil was removed. An official letter of acceptance by the DTSC was not observed during the file review. The potential presence of TPH-impacted soils in Area B is considered a REC.

- The evidence of a former railroad track, which has been covered with concrete, was observed trending northeast-southwest in the middle of the site (Area C). The railroad tracks were associated with the former FMC Corp. and Riverside Foundry and Machine Works, and were observed on Sanborn®, aerial, and topographic maps between 1908 and 1959. The historical presence of a ROW on the site presents a potential for contamination resulting from leaks or spills from the railcars or historic application of surface chemicals during railroad operations. Based on Ninyo & Moore's experience, the suspected presence of railroad related chemicals in shallow site soils due to operation of the railroad tracks would be considered a REC for the site. PAHs, TPHs, PCBs, OCPs, chlorinated herbicides, and metals are typically detected along railroad easements from operational activities, spills, and use of herbicides.

- An abandoned elevator shaft was observed at the southern portion of the manufacturing building (Area C), with an associated pump and hydraulic oil system. Staining or other signs of release of oils was not observed. However, the exact age of the elevator is unknown, but has been inoperable for many years and is not permitted with the Building Department. This is considered a REC.

- A municipal water well operated by the City of Riverside is located at the northwest corner of the manufacturing building (Area C).

- The former FMC Corp. (Area C) handled waste oil and solvent on the site from 1940 until the early 1980s. Under FMC ownership, operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft. During removal of a waste oil UST, sludge and oil leaks were discovered that triggered an environmental evaluation and monitoring program by the Santa Ana RWQCB. Subsequent groundwater monitoring found that concentrations of VOCs were higher upgradient of the FMC Corp., and therefore FMC Corp. could not be considered the primary responsible party but may be one of many contributors of a comingling VOC plume. However, contaminated soil may be beneath the Area C due to its industrial use, and FMC could be held responsible for cleanup (based on interviews with Alexey Zabolotskikh). This is considered a REC.

- Campbell Oil occupied Area D between 1948 and 1991, when Mike Poma bought the property out of bankruptcy. A site assessment was conducted by Campbell Oil, and TPH was encountered at elevated levels in soil samples up to 20 feet bgs. Excavation was conducted; however, TPH impacts were encountered beyond the extents of the excavation that was conducted by Campbell. Poma filed a lawsuit against Campbell Oil because of the flawed evaluation that was conducted. An SVE and treatment system operated at Area D from July 22, 1999 to October 2000 and removed approximately 1,960

pounds of TPH compounds. The SVE system was stopped because the SVE company (Park Corporation) went out-of-business. A follow-up evaluation was conducted in August 2002, which reported TPH impacts beneath the site. TPHg was found in one boring 13,000 mg/kg at three feet bgs and 10,000 mg/kg at 30 feet bgs. Plans for the additional remediation of contaminants in 2002 (Poma) and 2008 (housing developer) were not implemented due to lack of funding. The case is still currently open and inactive. The presence of TPH impacts in Area D is a REC.

- In June 2012, USTs were abandoned in place at the Solarmax at 3080 12th Street, adjoining the south of the site. Diesel impacts were observed underneath tank T4, which is adjoining 12th Street, up to 20 feet bgs. Further remediation to remove diesel-impacted oils were not technically or economically feasible due to site constraints. The presence of diesel impacts adjoining the southern portion of the site is not considered a REC.

- Based on historical research and the results of the VESM conducted by Ninyo & Moore, a VEC likely exists beneath the site.

9 OPINIONS

The rationale for concluding whether the conditions listed in Section 8, above, do not represent RECs, HRECs, or CRECs (i.e., the presence or likely presence of hazardous substances or petroleum products on a property under conditions indicative of releases, past releases, or a material threat of a release of hazardous substances, pollutants, contaminants, and/or petroleum/petroleum products at the site) is provided below.

9.1 Evaluation of Recognized Environmental Conditions

The site has been used for a variety of industrial uses that have contaminated soil and soil vapor at the site. The main contaminants of concern in soils are TPH and VOCs. Depending on plans for future site use, impacted soils may need to be mitigated. It is our opinion that the existing and previous conditions are considered a REC.

9.2 Data Gaps

Significant data gaps have not been found during the Phase I ESA.

10 CONCLUSIONS

We have performed a Phase I ESA, in conformance with the scope and limitations of the ASTM Practice E 1527-13, of the ten APNs adjacent to the Downtown Riverside Metrolink Station in Riverside, California, the site. Any exceptions to, or deletions from, this practice are described in Section 1.4 and in the body of this report. This assessment has revealed no evidence of RECs in connection with the property, with the exception of the following:

- The historical presence of a ROW on the site presents a potential for contamination resulting from leaks or spills from the railcars or historic application of surface chemicals during railroad operations.

- The presence of an abandoned elevator shaft with an associated pump and hydraulic oil system at the southern portion of the manufacturing building (Area C). The exact age of the elevator is unknown, but has been inoperable for many years and is not permitted with the Building Department. There is a potential for leakage of hydraulic oils into the subsurface.

- The site overlies a groundwater plume impacted by VOCs, pesticides, herbicides, nitrate, and perchlorate, and known as the Riverside Plume. Sampling of groundwater between 2005 and 2008 showed significant VOC impacts (primarily PCE and TCE) in the site vicinity.

- Contaminated soil may be present beneath Area C due to its historical industrial operations by the FMC Corp. and known use of solvents.

- The remedial action and acceptance by the DTSC in Area A associated with the former MGP within the portions of the area that were remediated is considered an HREC.

- AULs exist for portions of Areas A and C where excavation of contaminants could not be conducted due to accessibility issues. The LUCs on these portions of the site dictate that the site shall not be used for sensitive receptors, soil disturbance activities shall not be conducted without the preparation of an SMP and consent of the DTSC, and groundwater monitoring wells shall not be disturbed, among other provisions. The presence of the LUC on portions of the site is considered a CREC.

- The presence of TPH-impacted soil and soil vapor associated with the inactive case at Area D (former Campbell Oil) is a REC.

- The potential presence of TPH-impacted soils in Area B associated with the former Home Oil is considered a REC.

- Based on historical research and the results of the VESM conducted by Ninyo & Moore, a VEC likely exists beneath the site.

11 REFERENCES

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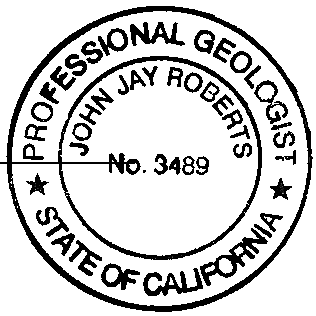
12 PROFESSIONAL STATEMENT

As required by 40 CFR §312.21(d) and Section 12.13 of ASTM 1527-13, the following statement is included:

> *I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined by §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.*

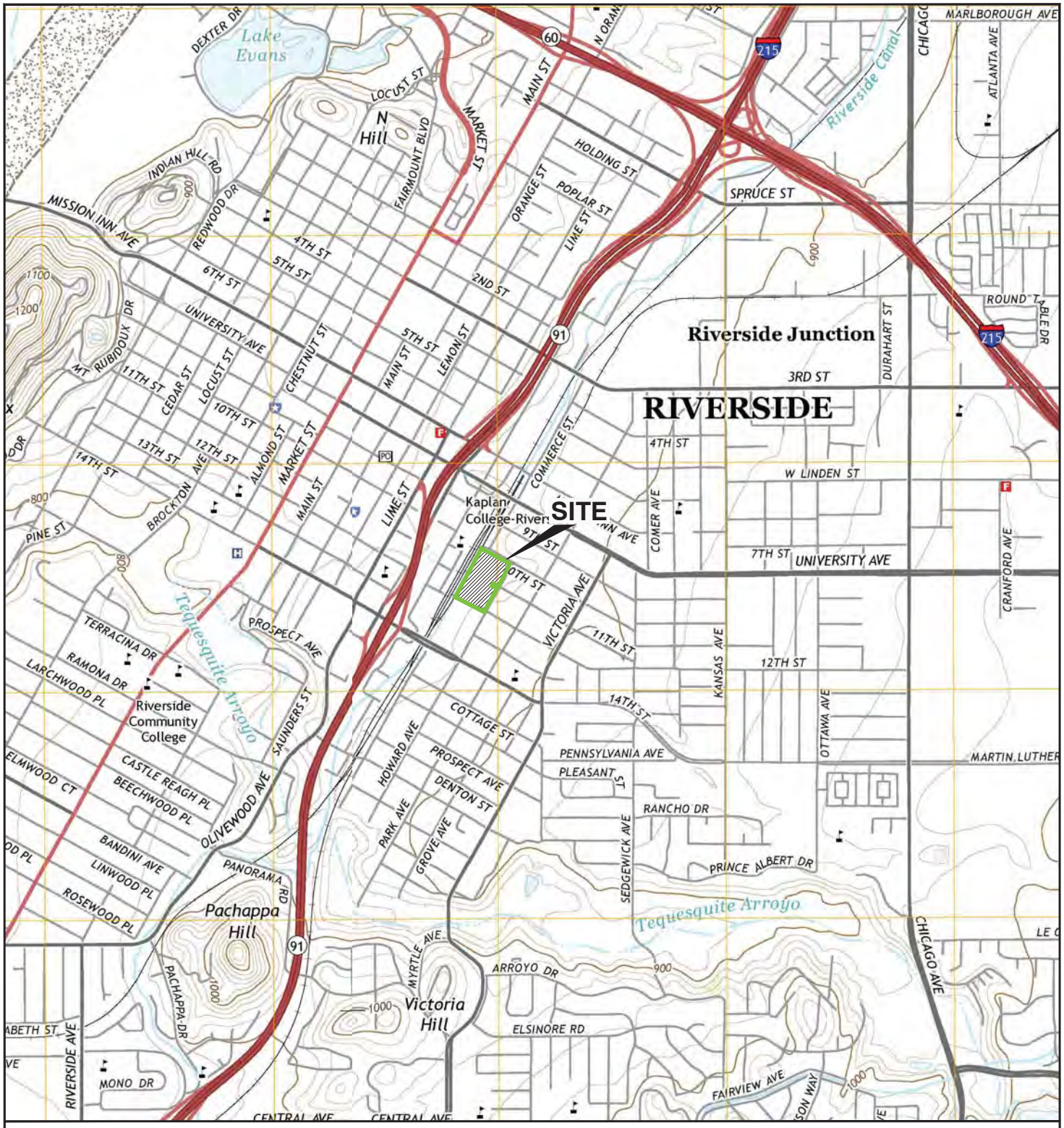
John Jay Roberts, PG, CEG
Principal Geologist



13 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Resumes, which document the professional qualifications, pursuant to 40 CFR §312.10(b)(2), of the persons that prepared and reviewed this report are provided as Appendix G.

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

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FIGURE 1

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

SITE LOCATION

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION

RIVERSIDE, CALIFORNIA

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LEGEND

	SITE BOUNDARY		LUC AREAS
	AREAS OF INTEREST	LUC	LAND USE CONVENANT
	WATER WELL	SVE	SOIL VAPOR EXTRACTION
T	PAD MOUNTED TRANSFORMER	UST	UNDERGROUND STORAGE TANK
		3087	STREET ADDRESS

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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FIGURE 2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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APPENDIX A

Photographs

Photograph 1: **Looking at the northwestern portion of the site (Area A), which was the former So. Cal Gas. Facility and is currently used as a storage yard for Prism Aerospace.**

Photograph 2: **Looking at the inside of the manufacturing building for the former FMC Corp (Area C). Prism Aerospace currently occupies this area and uses it for metal products manufacturing.**

FIGURE A-1

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 3: **Looking at the northeast portion of the site (Area B), which is currently used as a storage yard for Prism. This portion of the site was previously occupied by various commercial and industrial companies.**

Photograph 4: **Looking at the southeast portion of the site (Area D), which is currently a vacant lot used for freight truck storage. This lot was formerly owned by Campbell Oil and Poma Distributing Company.**

FIGURE A-2

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 5: **View of residential structures at the southeast corner of the site (Area E).**

Photograph 6: **View of the evidence of railroad tracks, which have been paved over within the manufacturing building (Area C).**

FIGURE A-3

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 7: **View of the municipal water well owned and maintained by the City of Riverside, at the northwest corner of the manufacturing building (Area C).**

Photograph 8: **View of an abandoned elevator shaft at the southern end of the manufacturing building (Area C).**

FIGURE A-4

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 9: **View of an old pump and oil drum (no longer in use) associated with the elevator.**

Photograph 10: **View of a flammables cabinet of miscellaneous flammables such as acetone, adhesive, and lubricants in the manufacturing building (Area C).**

FIGURE A-5

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 11: **View of welding gases stored in a building at the northern end of the site (Area A).**

Photograph 12: **View of generators stored in a building at the northern end of the site (Area A).**

FIGURE A-6

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691005 | 4/18

Photograph 13: **View of propane storage at the northwestern portion of the site (Area A).**

Photograph 14: **View of an industrial oven located directly northeast of the manufacturing building (Area A).**

FIGURE A-7

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691005 | 4/18

Photograph 15: **View of a pad-mounted transformer at the northwest corner of the site (Area A).**

Photograph 16: **View of two pad-mounted transformers located directly northwest of the manufacturing building (Area A).**

FIGURE A-8

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 17: **View of storm drain inlet along the western terminus of 11th Street, beyond which is vacant lot owned by 3010 Street (Area D).**

Photograph 18: **View of an abandoned SVE compound at the southeastern portion of the site (Area D), formerly owned by Campbell Oil and Poma Distributing.**

FIGURE A-9

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 19: **Looking south from the site at the adjoining property, Solarmax, at 3080 12th Street.**

Photograph 20: **Looking west from the western terminus of 10th street at the Riverside Downtown Metrolink Station railroad tracks.**

FIGURE A-10

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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Photograph 21: **Looking east from Howard Avenue at residential properties.**

Photograph 22: **Looking southeast from Howard Avenue at the intersection of Howard and 12th, beyond which is a park.**

FIGURE A-11

PHOTOGRAPHS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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APPENDIX B

User And Property Owner Provided Information

PHASE I ESA/AAI REQUIREMENTS

According to the All Appropriate Inquiry (AAI, 40 CFR 312) requirements and ASTM (E 1527-13) guidance on conducting Phase I Environmental Site Assessments, the "user" of the assessment must provide the following information, if available, to the environmental professional in order to qualify for Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Please check yes or no and provide any additional information you may have regarding the site. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 132.25).
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

☐ Yes ☑ No

If yes, please explain:

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any activity use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☐ Yes ☑ No

If yes, please explain:

(3) Specialized knowledge or experience of the person/department requesting the Phase I ESA and seeking to qualify for the landowner liability protections (40 CFR 312.28).
As the user of this ESA, do you have any specialized knowledge or experience related to the property or adjoining properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes ☑ No

If yes, please explain:

(4) Relationship of the purchase price to the fair market value of the property, if it were not contaminated (40 CFR 312.29).
Does the purchase price offered for this property reasonably reflect the fair market value of the property? If there is a difference between the purchase price and the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be at the property?

Please discuss: Appraisal is ongoing

(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
(a) Do you know the past uses of the property?
(b) Do you know of specific chemicals that are present or once were present at the property?
(c) Do you know of spills or other chemical releases that have taken place at the property?
(d) Do you know of any environmental cleanups that have taken place or are ongoing at the property?

☑ Yes ☐ No

If yes, please explain: Mad Atom LLC property's soil is contaminated based on disclosure of previous owner when Mad Atom LLC purchased the property.

(6) The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☑ Yes ☐ No

If yes, please explain: Due to owners disclosure.

Hector Casillas	[signature]	3/22/18
Print Name	Signature	Date

APPENDIX C

Environmental Database Report

Ten APNs
3034 10th Street
Riverside, CA 92507

Inquiry Number: 5221946.2s
March 16, 2018

The EDR Radius Map™ Report with GeoCheck®

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

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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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

3034 10TH STREET
RIVERSIDE, CA 92507

COORDINATES

Latitude (North):	33.9759800 - 33˚ 58' 33.52''
Longitude (West):	117.3677800 - 117˚ 22' 4.00''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	466025.9
UTM Y (Meters):	3759359.2
Elevation:	868 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5641312 RIVERSIDE EAST, CA
Version Date:	2012
Southwest Map:	5641332 RIVERSIDE WEST, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
3034 10TH STREET
RIVERSIDE, CA 92507

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	ALARK HARD CHROME	2777 MAIN STREET	NPL, SEMS, RCRA-SQG, ENVIROSTOR, SLIC, LIENS,...	Same	4925, 0.933, North
A1	SOUTHERN CALIFORNIA	3084 E 10TH ST	RCRA-SQG	Higher	1 ft.
A2	RIVERSIDE GAS AND EL	3084 E. 10TH STREET	EDR MGP	Higher	1 ft.
B3	FORMER POMA DISTRIBU	3010 11TH STREET	SLIC	Lower	1 ft.
B4	CAMPBELL GLEN W	3010 11TH ST	EDR Hist Auto	Lower	1 ft.
A5	FMC CORP.	3087 12TH STREET	SLIC	Higher	1 ft.
C6	GW CLEANUP-RIVERSIDE	3075 12TH	Cortese, ENF, HIST CORTESE	Higher	8, 0.002, SSW
C7	FMC CORPORATION	3075 E 12TH STREET	SLIC	Higher	8, 0.002, SSW
C8	FMC CORP CITRUS MACH	3075 12ST ST	RCRA-SQG, FINDS, ECHO	Higher	15, 0.003, SW
D9	SO CAL GAS/RIVERSIDE	10TH ST AND HOWARD	HIST CORTESE	Higher	30, 0.006, East
D10	SO CAL GAS/RIVERSIDE	10TH STREET AND HOWA	ENVIROSTOR, VCP, DEED	Higher	30, 0.006, East
11	RIVERSIDE PLUME	DOWNTOWN RIVERSIDE	SLIC	Higher	31, 0.006, West
B12	ROYAL CITRUS CO INC	2995 11TH ST	UST	Lower	38, 0.007, South
C13	ROHR INDUSTRIES INC	3080 12TH STREET	RCRA-SQG, FINDS, ECHO	Higher	82, 0.016, SW
C14	ATCO RUBBER PRODUCTS	3080 12TH ST	LUST, HAZNET, Notify 65	Higher	82, 0.016, SW
D15	ROYAL CITRUS CO	2989 10TH ST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	153, 0.029, East
E16	TOTALPLAN INC	3131 TENTH ST	SWEEPS UST, CA FID UST	Higher	263, 0.050, NW
E17	TOTALPLAN INC	3131 10TH STREET	HIST UST	Higher	263, 0.050, NW
18	JOHNSON H H	4120 VINE ST	EDR Hist Cleaner	Lower	424, 0.080, West
F19	PALMER H L	4173 PARK AVE	EDR Hist Cleaner	Higher	477, 0.090, SSE
G20	SAN ANTIONIO ORCHARD	3141 9TH ST	HIST UST, EMI	Higher	521, 0.099, NNW
G21	SAN ANTIONIO ORCHARD	3141 NINTH ST	HIST UST	Higher	521, 0.099, NNW
22	WESTERN POLYFORM COR	3888 COMMERCE	RCRA-SQG, FINDS, ECHO	Higher	575, 0.109, North
F23	LOZANO FRANK	4142 PARK AVE	EDR Hist Auto	Higher	578, 0.109, SSE
24	FERGUSON E A	4008 PARK AVE	EDR Hist Auto	Higher	584, 0.111, ESE
25	LA DIST ENG CON PROJ		ENVIROSTOR	Lower	668, 0.127, WSW
H26	FAIRFIELD CHEMICALS	3075 14TH ST	ENVIROSTOR	Higher	791, 0.150, SW
27	RIVERSIDE SCRAP IRON	2993	HIST CORTESE	Higher	826, 0.156, SSW
I28	RIVERSIDE, CITY, SUB	3920 MULBERRY	SLIC	Higher	962, 0.182, NW
I29	CITY OF RIVERSIDE FI	3880 MULBERRY	HIST UST	Higher	981, 0.186, NNW
I30	MULBERRY YARD	3880 MULBERRY	LUST, HIST UST, HIST CORTESE	Higher	981, 0.186, NNW
I31	MULBERRY YARD	3870 MULBERRY ST	LUST, HIST CORTESE	Higher	986, 0.187, NNW
H32	FMC CORP	4430 COMMERCE ST	HIST UST, CHMIRS, EMI	Higher	997, 0.189, SW
H33	F M C TECHNOLOGIES I	4430 COMMERCE ST	RCRA-SQG	Higher	997, 0.189, SW
J34	SO CAL GAS CO RIVERS	4495 HOWARD AVE	RCRA-SQG	Higher	1105, 0.209, SSW
J35	RIVERSIDE	4495 HOWARD AVE	HIST UST	Higher	1105, 0.209, SSW
J36	SOUTHERN CAL GAS - R	4495 HOWARD AVE	SWEEPS UST, CA FID UST	Higher	1105, 0.209, SSW
J37	SOUTHERN CALIFORNIA	4495 HOWARD AVE	UST	Higher	1105, 0.209, SSW
K38	KEN'S ARCO	2871 UNIVERSITY AVEN	LUST, HIST UST	Higher	1154, 0.219, ENE

MAPPED SITES SUMMARY

Target Property Address:
3034 10TH STREET
RIVERSIDE, CA 92507

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K39	BLACK GOLD	2871 UNIVERSITY AVE	LUST, SWEEPS UST, CA FID UST, HIST CORTESE	Higher	1154, 0.219, ENE
L40	BUBBLE MACHINE CAR W	3304 14TH ST	UST	Lower	1195, 0.226, WSW
L41	IMPERIAL STATIONS, I	3315 14TH ST	UST	Lower	1211, 0.229, WSW
L42	MOBIL #18-D3H	3315 14TH ST	LUST, SWEEPS UST, CA FID UST, HIST CORTESE	Lower	1211, 0.229, WSW
L43	LIM JOO KWANG	3315 14TH STREET	HIST UST	Lower	1211, 0.229, WSW
M44	RIVERSIDE CO AGRI CO	3133 7TH ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1275, 0.241, North
45	BROWNS AUTOMOTIVE	3390 UNIVERSITY AVEN	SLIC	Higher	1283, 0.243, NW
M46	3093 7TH STREET	3093 7TH STREET	US BROWNFIELDS, FINDS	Higher	1326, 0.251, North
L47	CHEVRON #96984	3304 14TH ST	LUST	Lower	1333, 0.252, WSW
L48	CHEVRON 96984	3304 14TH ST	LUST, SWEEPS UST, HIST UST	Lower	1333, 0.252, WSW
49	14TH ST GARAGE	2748 14TH ST	RCRA-SQG, LUST, FINDS, ECHO, HIST CORTESE	Higher	1483, 0.281, South
M50	SLAMAL PROPERTY (VAC	3663 VINE STREET	LUST, HIST CORTESE	Higher	1495, 0.283, North
N51	USA PETROLEUM COMPAN	2658 UNIVERSITY AVE	SWEEPS UST, CA FID UST, HIST CORTESE	Higher	1524, 0.289, East
N52	USA GASOLINE #240	2658 UNIVERSITY AVE	LUST	Higher	1524, 0.289, East
N53	USA GASOLINE #240	2658 UNIVERSITY AVE	LUST	Higher	1524, 0.289, East
O54	RIVERSIDE BULK PLANT	4526 COMMERCE STREET	LUST, HIST UST, HAZNET	Higher	1555, 0.295, SW
O55	MOBIL BULK PLANT # 0	4526 COMMERCE ST	LUST	Higher	1555, 0.295, SW
O56	MOBIL BULK PLANT	4526 COMMERCE ST	SWEEPS UST, CA FID UST, HIST CORTESE	Higher	1555, 0.295, SW
P57	3008-3032 6TH STREET	3008-3032 6TH STREET	US BROWNFIELDS, FINDS	Higher	1614, 0.306, NNE
P58	3008-3032 6TH STREET	3008-3032 6TH STREET	US BROWNFIELDS, FINDS	Higher	1614, 0.306, NNE
Q59	RVSD CO CAC (RIVERSI	4080 LEMON ST	LUST, CHMIRS	Lower	1614, 0.306, WNW
Q60	RSDE COUNTY ADMINIST	4080 LEMON ST	LUST, SWEEPS UST, CA FID UST, EMI, HIST CORTESE	Lower	1614, 0.306, WNW
R61	3604 COMMERCE STREET	3604 COMMERCE STREET	US BROWNFIELDS	Higher	1642, 0.311, NNE
R62	6TH AND COMMERCE STR	6TH STREET AND COMME	US BROWNFIELDS, FINDS	Higher	1663, 0.315, NNE
R63	INLAND FRAME & DESIG	3596 COMMERCE	HIST CORTESE	Higher	1691, 0.320, NNE
P64	RIVERSIDE SCRAP IRON	2993 SIXTH ST	LUST, SLIC, NPDES, WDS	Higher	1729, 0.327, NNE
P65	RIVERSIDE SCRAP IRON	2993 SIXTH ST	LUST, CHMIRS	Higher	1729, 0.327, NNE
P66	RIVERSIDE SCRAP IRON	2993 SIXTH STREET	ENVIROSTOR, VCP, HAZNET	Higher	1729, 0.327, NNE
R67	3596 COMMERCE STREET	3596 COMMERCE STREET	US BROWNFIELDS	Higher	1756, 0.333, NNE
R68	INLAND FRAME & DESIG	3596 COMMERCE ST	LUST	Higher	1756, 0.333, NNE
R69	INLAND FRAME & DESIG	3596 COMMERCE ST	LUST	Higher	1756, 0.333, NNE
70	QUINLAN PROPERTY	4616 VINE	LUST, HIST CORTESE	Higher	1907, 0.361, SW
S71	3008 5TH STREET	3008 5TH STREET	US BROWNFIELDS, FINDS	Higher	1994, 0.378, NNE
S72	2992 5TH STREET	2992 5TH STREET	US BROWNFIELDS	Higher	1994, 0.378, NNE
T73	WEST COAST WIRE & ST	3120 05TH	LUST, HIST CORTESE	Higher	2039, 0.386, NNE
T74	5TH AND COMMERCE STR	5TH STREET AND COMME	US BROWNFIELDS, FINDS	Higher	2060, 0.390, NNE
T75	5TH AND COMMERCE STR	5TH STREET AND COMME	US BROWNFIELDS	Higher	2060, 0.390, NNE
T76	5TH AND COMMERCE STR	5TH STREET AND COMME	US BROWNFIELDS	Higher	2060, 0.390, NNE
T77	5TH AND COMMERCE STR	5TH STREET AND COMME	US BROWNFIELDS	Higher	2060, 0.390, NNE

MAPPED SITES SUMMARY

Target Property Address:
3034 10TH STREET
RIVERSIDE, CA 92507

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
T78	WEST COAST WIRE AND	3120 FIFTH STREET	LUST, HIST UST	Higher	2064, 0.391, NNE
U79	RIV. CO., AUTOMOTIVE	4293 ORANGE ST	LUST, SWEEPS UST, CA FID UST, EMI, HIST CORTESE	Lower	2072, 0.392, West
U80	RIVERSIDE COUNTY GAR	4293 ORANGE ST	LUST, HIST UST	Lower	2072, 0.392, West
81	STOP N' GO #1065	2371 UNIVERSITY AVE	LUST, HIST CORTESE	Higher	2076, 0.393, East
82	N OF 11TH ST, ON S S	N OF 11TH ST, ON S S	US BROWNFIELDS	Lower	2111, 0.400, WNW
T83	3496 COMMERCE STREET	3496 COMMERCE STREET	US BROWNFIELDS	Higher	2139, 0.405, NNE
T84	WEILAND & COMPANY	3491 COMMERCE	ENVIROSTOR	Higher	2212, 0.419, NNE
T85	3460 COMMERCE STREET	3460 COMMERCE STREET	US BROWNFIELDS	Higher	2239, 0.424, NNE
V86	26 PARCELS WITHIN UN	UNKNOWN	US BROWNFIELDS, FINDS	Lower	2389, 0.452, NW
W87	3008 4TH STREET	3008 4TH STREET	US BROWNFIELDS	Higher	2390, 0.453, NNE
W88	2992 4TH STREET	2992 4TH STREET	US BROWNFIELDS	Higher	2390, 0.453, NNE
W89	3070 4TH STREET	3070 4TH STREET	US BROWNFIELDS	Higher	2398, 0.454, NNE
X90	GRIN CHEMICAL COMPAN	3972 MAIN STREET	ENVIROSTOR	Lower	2422, 0.459, WNW
91	SW MAIN ST AND 11TH	SW MAIN ST AND 11TH	US BROWNFIELDS	Lower	2436, 0.461, WNW
Y92	NW MAIN ST AND 12TH	NW MAIN ST AND 12TH	US BROWNFIELDS	Lower	2445, 0.463, WNW
Z93	4TH AND COMMERCE STR	4TH STREET AND COMME	US BROWNFIELDS, FINDS	Higher	2469, 0.468, NNE
Z94	4TH AND COMMERCE STR	4TH STREET AND COMME	US BROWNFIELDS	Higher	2469, 0.468, NNE
Y95	4213 MAIN	4213 MAIN	US BROWNFIELDS	Lower	2501, 0.474, WNW
X96	4075 MAIN	4075 MAIN	US BROWNFIELDS	Lower	2504, 0.474, WNW
Y97	4229 MAIN	4229 MAIN	US BROWNFIELDS	Lower	2505, 0.474, WNW
X98	4049 MAIN	4049 MAIN	US BROWNFIELDS	Lower	2505, 0.474, WNW
X99	4015 MAIN	4015 MAIN	US BROWNFIELDS	Lower	2507, 0.475, WNW
Y100	4255 MAIN	4255 MAIN	US BROWNFIELDS	Lower	2508, 0.475, WNW
Y101	4261 MAIN	4261 MAIN	US BROWNFIELDS	Lower	2512, 0.476, WNW
102	2622 4TH STREET	2622 4TH STREET	US BROWNFIELDS	Higher	2516, 0.477, NE
Y103	4267 MAIN	4267 MAIN	US BROWNFIELDS	Lower	2516, 0.477, West
AA104	4281 MAIN	4281 MAIN	US BROWNFIELDS	Lower	2520, 0.477, West
W105	2991 4TH STREET	2991 4TH STREET	US BROWNFIELDS	Higher	2521, 0.477, NNE
AA106	4295 MAIN	4295 MAIN	US BROWNFIELDS	Lower	2525, 0.478, West
Z107	3069 4TH STREET	3069 4TH STREET	US BROWNFIELDS, FINDS	Higher	2529, 0.479, NNE
AA108	4307 MAIN	4307 MAIN	US BROWNFIELDS	Lower	2546, 0.482, West
AA109	4329 MAIN	4329 MAIN	US BROWNFIELDS	Lower	2560, 0.485, West
V110	GRIN CHEM CO	3792 MAIN ST	SEMS-ARCHIVE	Lower	2567, 0.486, NW
AB111	4353 MAIN	4353 MAIN	US BROWNFIELDS	Lower	2579, 0.488, West
X112	4001 MAIN	4001 MAIN	US BROWNFIELDS	Lower	2586, 0.490, WNW
AB113	4399 MAIN	4399 MAIN	US BROWNFIELDS	Lower	2608, 0.494, West
Y114	3732 12TH	3732 12TH	US BROWNFIELDS	Lower	2608, 0.494, WNW
W115	RIVERSIDE FERTILIZER	2622 3RD ST	ENVIROSTOR	Higher	2656, 0.503, NNE
116	RIME'S TIRE SERVICE,	4150 MARKET STREET	Notify 65	Lower	2849, 0.540, WNW

MAPPED SITES SUMMARY

Target Property Address:
3034 10TH STREET
RIVERSIDE, CA 92507

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
117	SINGLETARY, KING	2675 THIRD	Notify 65	Higher	3220, 0.610, NNE
118	STEARNS DOWNTOWN LIQ	4029 7TH	Notify 65	Lower	3996, 0.757, NW
AC119	ALCAN, INC.	3016 KANSAS AV	ENVIROSTOR, SLIC	Higher	4784, 0.906, NE
AC120	HUNTER DOUGLAS ALUMI	3016 KANSAS AVENUE	FUSRAP	Higher	4784, 0.906, NE
121	EASTSIDE ELEMENTARY	UNIVERSITY AVENUE/OT	ENVIROSTOR, SCH	Higher	4811, 0.911, East
122	LEWIS, A.M.	2727 KANSAS AVENUE	Notify 65	Higher	5095, 0.965, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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

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 RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
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 - equivalent NPL

RESPONSE ..... State Response Sites

EXECUTIVE SUMMARY

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information 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 Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information

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
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
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
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
HAZNET	Facility and Manifest Data
ICE	ICE
HWP	EnviroStor Permitted Facilities Listing
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

EXECUTIVE SUMMARY

PROC..... Certified Processors Database
UIC..... UIC Listing
WASTEWATER PITS..... Oil Wastewater Pits Listing
WDS..... Waste Discharge System
WIP..... Well Investigation Program Case List

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALARK HARD CHROME	***2777 MAIN STREET***	***N 1/2 - 1 (0.933 mi.)***	***0***	***8***

Federal CERCLIS NFRAP site list

SEMS-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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRIN CHEM CO	3792 MAIN ST	NW 1/4 - 1/2 (0.486 mi.)	V110	277

Federal RCRA generators list

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 12/11/2017 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	3084 E 10TH ST	0 - 1/8 (0.000 mi.)	A1	22
FMC CORP CITRUS MACH	***3075 12ST ST***	***SW 0 - 1/8 (0.003 mi.)***	***C8***	***29***
ROHR INDUSTRIES INC	***3080 12TH STREET***	***SW 0 - 1/8 (0.016 mi.)***	***C13***	***46***
ROYAL CITRUS CO	***2989 10TH ST***	***E 0 - 1/8 (0.029 mi.)***	***D15***	***52***
WESTERN POLYFORM COR	***3888 COMMERCE***	***N 0 - 1/8 (0.109 mi.)***	***22***	***59***
F M C TECHNOLOGIES I	4430 COMMERCE ST	SW 1/8 - 1/4 (0.189 mi.)	H33	76
SO CAL GAS CO RIVERS	4495 HOWARD AVE	SSW 1/8 - 1/4 (0.209 mi.)	J34	78

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 10/30/2017 has revealed that there are 10 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALARK HARD CHROME	***2777 MAIN STREET***	***N 1/2 - 1 (0.933 mi.)***	***0***	***8***

Facility Id: 33340002 Status: Active				
SO CAL GAS/RIVERSIDE Facility Id: 33490085 Status: Certified O&M - Land Use Restrictions Only	***10TH STREET AND HOWA***	***E 0 - 1/8 (0.006 mi.)***	***D10***	***31***
FAIRFIELD CHEMICALS Facility Id: 60000221 Status: Inactive - Needs Evaluation	3075 14TH ST	SW 1/8 - 1/4 (0.150 mi.)	H26	63
RIVERSIDE SCRAP IRON Facility Id: 60002350 Status: Active	***2993 SIXTH STREET***	***NNE 1/4 - 1/2 (0.327 mi.)***	***P66***	***164***
WEILAND & COMPANY Facility Id: 60000227 Status: Inactive - Needs Evaluation	3491 COMMERCE	NNE 1/4 - 1/2 (0.419 mi.)	T84	214
RIVERSIDE FERTILIZER Facility Id: 60000208 Status: Inactive - Needs Evaluation	2622 3RD ST	NNE 1/2 - 1 (0.503 mi.)	W115	289
ALCAN, INC. Facility Id: 60000212 Status: Refer: RWQCB	***3016 KANSAS AV***	***NE 1/2 - 1 (0.906 mi.)***	***AC119***	***290***
EASTSIDE ELEMENTARY Facility Id: 33000044 Status: Inactive - Needs Evaluation	***UNIVERSITY AVENUE/OT***	***E 1/2 - 1 (0.911 mi.)***	***121***	***292***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA DIST ENG CON PROJ Facility Id: 80000286 Status: Inactive - Needs Evaluation		WSW 1/8 - 1/4 (0.127 mi.)	25	62
GRIN CHEMICAL COMPAN Facility Id: 33280007 Status: No Further Action	3972 MAIN STREET	WNW 1/4 - 1/2 (0.459 mi.)	X90	228

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 26 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ATCO RUBBER PRODUCTS Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017 Database: LUST, Date of Government Version: 12/11/2017 Status: Completed - Case Closed Facility Id: 2013RO6600623 Global Id: T10000005231	***3080 12TH ST***	***SW 0 - 1/8 (0.016 mi.)***	***C14***	***48***

Facility Status: 9

MULBERRY YARD ***3880 MULBERRY*** ***NNW 1/8 - 1/4 (0.186 mi.)*** ***I30*** ***65***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 89150
Global Id: T0606500112
Facility Status: 9
Global ID: T0606500112

MULBERRY YARD ***3870 MULBERRY ST*** ***NNW 1/8 - 1/4 (0.187 mi.)*** ***I31*** ***69***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 91906
Global Id: T0606500245
Facility Status: 9
Global ID: T0606500245

KEN'S ARCO ***2871 UNIVERSITY AVEN*** ***ENE 1/8 - 1/4 (0.219 mi.)*** ***K38*** ***81***
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Id: 9915805
Global Id: T0606500625
Facility Status: 0

BLACK GOLD ***2871 UNIVERSITY AVE*** ***ENE 1/8 - 1/4 (0.219 mi.)*** ***K39*** ***92***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Preliminary site assessment workplan submitted
Global ID: T0606500625

14TH ST GARAGE ***2748 14TH ST*** ***S 1/4 - 1/2 (0.281 mi.)*** ***49*** ***110***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 92578
Global Id: T0606500278
Facility Status: 9
Global ID: T0606500278

SLAMAL PROPERTY (VAC ***3663 VINE STREET*** ***N 1/4 - 1/2 (0.283 mi.)*** ***M50*** ***115***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 90944
Global Id: T0606500218
Facility Status: 9
Global ID: T0606500218

USA GASOLINE #240 2658 UNIVERSITY AVE E 1/4 - 1/2 (0.289 mi.) N52 119
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017

Status: Completed - Case Closed
Facility Id: 91354
Global Id: T0606500237
Facility Status: 9

USA GASOLINE #240	2658 UNIVERSITY AVE	E 1/4 - 1/2 (0.289 mi.)	N53	125

Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Remedial action (cleanup) Underway
Global ID: T0606500237

RIVERSIDE BULK PLANT	***4526 COMMERCE STREET***	***SW 1/4 - 1/2 (0.295 mi.)***	***O54***	***126***

Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Open - Eligible for Closure
Facility Id: 87710
Global Id: T0606500083
Facility Status: 0

MOBIL BULK PLANT # 0	4526 COMMERCE ST	SW 1/4 - 1/2 (0.295 mi.)	O55	137

Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Remedial action (cleanup) Underway
Global ID: T0606500083

RIVERSIDE SCRAP IRON	***2993 SIXTH ST***	***NNE 1/4 - 1/2 (0.327 mi.)***	***P64***	***155***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Leak being confirmed
Global Id: T0606500626
Global ID: T0606500626

RIVERSIDE SCRAP IRON	***2993 SIXTH ST***	***NNE 1/4 - 1/2 (0.327 mi.)***	***P65***	***162***

Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Facility Id: 9915785
Facility Status: 9

INLAND FRAME & DESIG	3596 COMMERCE ST	NNE 1/4 - 1/2 (0.333 mi.)	R68	171

Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Id: 93775
Global Id: T0606500340
Facility Status: 9

INLAND FRAME & DESIG	3596 COMMERCE ST	NNE 1/4 - 1/2 (0.333 mi.)	R69	173

Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Case Closed
Global ID: T0606500340

QUINLAN PROPERTY	***4616 VINE***	***SW 1/4 - 1/2 (0.361 mi.)***	***70***	***174***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 92494
Global Id: T0606500276
Facility Status: 9
Global ID: T0606500276

WEST COAST WIRE & ST	***3120 05TH***	***NNE 1/4 - 1/2 (0.386 mi.)***	***T73***	***182***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: LUST, Date of Government Version: 12/11/2017

Status: Completed - Case Closed
Facility Status: Case Closed
Global Id: T0606500132
Global ID: T0606500132

WEST COAST WIRE AND ***3120 FIFTH STREET*** ***NNE 1/4 - 1/2 (0.391 mi.)*** ***T78*** ***195***
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Facility Id: 89363
Facility Status: 9

STOP N' GO #1065 ***2371 UNIVERSITY AVE*** ***E 1/4 - 1/2 (0.393 mi.)*** ***81*** ***206***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Case Closed
Facility Id: 91016
Global Id: T0606500221
Facility Status: 9
Global ID: T0606500221

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-D3H	***3315 14TH ST***	***WSW 1/8 - 1/4 (0.229 mi.)***	***L42***	***95***

Database: LUST REG 8, Date of Government Version: 02/14/2005
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Status: Pollution Characterization
Facility Id: 961023
Global Id: T0606500480
Facility Status: 9
Global ID: T0606500480

CHEVRON #96984 3304 14TH ST WSW 1/4 - 1/2 (0.252 mi.) L47 106
Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Preliminary site assessment underway
Global ID: T0606599140

CHEVRON 96984 ***3304 14TH ST*** ***WSW 1/4 - 1/2 (0.252 mi.)*** ***L48*** ***107***
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Id: 200016217
Global Id: T0606599140
Facility Status: 9

RVSD CO CAC (RIVERSI ***4080 LEMON ST*** ***WNW 1/4 - 1/2 (0.306 mi.)*** ***Q59*** ***144***
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Id: 970744
Global Id: T0606500500
Facility Status: 9

RSDE COUNTY ADMINIST ***4080 LEMON ST*** ***WNW 1/4 - 1/2 (0.306 mi.)*** ***Q60*** ***147***
Database: LUST REG 8, Date of Government Version: 02/14/2005
Facility Status: Case Closed
Global ID: T0606500500

RIV. CO., AUTOMOTIVE ***4293 ORANGE ST*** ***W 1/4 - 1/2 (0.392 mi.)*** ***U79*** ***196***
Database: LUST REG 8, Date of Government Version: 02/14/2005

Facility Status: Remedial action (cleanup) Underway
Global ID: T0606500194

RIVERSIDE COUNTY GAR ***4293 ORANGE ST*** ***W 1/4 - 1/2 (0.392 mi.)*** ***U80*** ***199***
Database: RIVERSIDE CO. LUST, Date of Government Version: 10/11/2017
Database: LUST, Date of Government Version: 12/11/2017
Status: Completed - Case Closed
Facility Id: 90539
Global Id: T0606500194
Facility Status: 0

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 SLIC list, as provided by EDR, has revealed that there are 7 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FMC CORP.	3087 12TH STREET	0 - 1/8 (0.000 mi.)	A5	26
Database: SLIC, Date of Government Version: 12/11/2017 Facility Status: Open - Inactive Global Id: SLT8R0333918				
FMC CORPORATION	3075 E 12TH STREET	SSW 0 - 1/8 (0.002 mi.)	C7	29
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Additional Characterization Underway				
RIVERSIDE PLUME	DOWNTOWN RIVERSIDE	W 0 - 1/8 (0.006 mi.)	11	45
Database: SLIC, Date of Government Version: 12/11/2017 Facility Status: Open - Inactive Global Id: SLT8R0373922				
RIVERSIDE, CITY, SUB	3920 MULBERRY	NW 1/8 - 1/4 (0.182 mi.)	I28	64
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Database: SLIC, Date of Government Version: 12/11/2017 Facility Status: Completed - Case Closed Facility Status: Open - Eligible for Closure Facility Status: Closed Global Id: SLT8R0523936 Global Id: T10000004259				
BROWNS AUTOMOTIVE	3390 UNIVERSITY AVEN	NW 1/8 - 1/4 (0.243 mi.)	45	103
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Facility Status: Initial Investigation Underway				
RIVERSIDE SCRAP IRON	***2993 SIXTH ST***	***NNE 1/4 - 1/2 (0.327 mi.)***	***P64***	***155***
Database: SLIC, Date of Government Version: 12/11/2017 Facility Status: Open - Assessment & Interim Remedial Action Global Id: T10000005690				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER POMA DISTRIBU	3010 11TH STREET	0 - 1/8 (0.000 mi.)	B3	25
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Database: SLIC, Date of Government Version: 12/11/2017				

Facility Status: Open - Inactive
Global Id: SL606592762

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 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA	4495 HOWARD AVE	SSW 1/8 - 1/4 (0.209 mi.)	J37	81
Database: RIVERSIDE CO. UST, Date of Government Version: 10/12/2017 Database: UST, Date of Government Version: 12/11/2017 Facility Id: FA0014672 Facility Id: 709				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROYAL CITRUS CO INC	2995 11TH ST	S 0 - 1/8 (0.007 mi.)	B12	46
Database: UST, Date of Government Version: 12/11/2017 Facility Id: 658				
BUBBLE MACHINE CAR W	3304 14TH ST	WSW 1/8 - 1/4 (0.226 mi.)	L40	94
Database: RIVERSIDE CO. UST, Date of Government Version: 10/12/2017 Database: UST, Date of Government Version: 12/11/2017 Facility Id: FA0014090				
IMPERIAL STATIONS, I	3315 14TH ST	WSW 1/8 - 1/4 (0.229 mi.)	L41	94
Database: RIVERSIDE CO. UST, Date of Government Version: 10/12/2017 Database: UST, Date of Government Version: 12/11/2017 Facility Id: FA0014434 Facility Id: 515				

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 10/30/2017 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/RIVERSIDE	***10TH STREET AND HOWA***	***E 0 - 1/8 (0.006 mi.)***	***D10***	***31***
Status: Certified O&M - Land Use Restrictions Only Facility Id: 33490085				
RIVERSIDE SCRAP IRON	***2993 SIXTH STREET***	***NNE 1/4 - 1/2 (0.327 mi.)***	***P66***	***164***

EXECUTIVE SUMMARY

Status: Active
Facility Id: 60002350

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 01/19/2018 has revealed that there are 42 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
3093 7TH STREET	***3093 7TH STREET***	***N 1/4 - 1/2 (0.251 mi.)***	***M46***	***103***
3008-3032 6TH STREET	***3008-3032 6TH STREET***	***NNE 1/4 - 1/2 (0.306 mi.)***	***P57***	***139***
3008-3032 6TH STREET	***3008-3032 6TH STREET***	***NNE 1/4 - 1/2 (0.306 mi.)***	***P58***	***141***
3604 COMMERCE STREET	3604 COMMERCE STREET	NNE 1/4 - 1/2 (0.311 mi.)	R61	150
6TH AND COMMERCE STR	***6TH STREET AND COMME***	***NNE 1/4 - 1/2 (0.315 mi.)***	***R62***	***152***
3596 COMMERCE STREET	3596 COMMERCE STREET	NNE 1/4 - 1/2 (0.333 mi.)	R67	168
3008 5TH STREET	***3008 5TH STREET***	***NNE 1/4 - 1/2 (0.378 mi.)***	***S71***	***177***
2992 5TH STREET	2992 5TH STREET	NNE 1/4 - 1/2 (0.378 mi.)	S72	180
5TH AND COMMERCE STR	***5TH STREET AND COMME***	***NNE 1/4 - 1/2 (0.390 mi.)***	***T74***	***185***
5TH AND COMMERCE STR	5TH STREET AND COMME	NNE 1/4 - 1/2 (0.390 mi.)	T75	188
5TH AND COMMERCE STR	5TH STREET AND COMME	NNE 1/4 - 1/2 (0.390 mi.)	T76	190
5TH AND COMMERCE STR	5TH STREET AND COMME	NNE 1/4 - 1/2 (0.390 mi.)	T77	193
3496 COMMERCE STREET	3496 COMMERCE STREET	NNE 1/4 - 1/2 (0.405 mi.)	T83	212
3460 COMMERCE STREET	3460 COMMERCE STREET	NNE 1/4 - 1/2 (0.424 mi.)	T85	215
3008 4TH STREET	3008 4TH STREET	NNE 1/4 - 1/2 (0.453 mi.)	W87	220
2992 4TH STREET	2992 4TH STREET	NNE 1/4 - 1/2 (0.453 mi.)	W88	223
3070 4TH STREET	3070 4TH STREET	NNE 1/4 - 1/2 (0.454 mi.)	W89	225
4TH AND COMMERCE STR	***4TH STREET AND COMME***	***NNE 1/4 - 1/2 (0.468 mi.)***	***Z93***	***234***
4TH AND COMMERCE STR	4TH STREET AND COMME	NNE 1/4 - 1/2 (0.468 mi.)	Z94	237
2622 4TH STREET	2622 4TH STREET	NE 1/4 - 1/2 (0.477 mi.)	102	257
2991 4TH STREET	2991 4TH STREET	NNE 1/4 - 1/2 (0.477 mi.)	W105	265
3069 4TH STREET	***3069 4TH STREET***	***NNE 1/4 - 1/2 (0.479 mi.)***	***Z107***	***270***

Lower Elevation	Address	Direction / Distance	Map ID	Page
N OF 11TH ST, ON S S	N OF 11TH ST, ON S S	WNW 1/4 - 1/2 (0.400 mi.)	82	209
26 PARCELS WITHIN UN	***UNKNOWN***	***NW 1/4 - 1/2 (0.452 mi.)***	***V86***	***218***
SW MAIN ST AND 11TH	SW MAIN ST AND 11TH	WNW 1/4 - 1/2 (0.461 mi.)	91	229
NW MAIN ST AND 12TH	NW MAIN ST AND 12TH	WNW 1/4 - 1/2 (0.463 mi.)	Y92	232
4213 MAIN	4213 MAIN	WNW 1/4 - 1/2 (0.474 mi.)	Y95	240
4075 MAIN	4075 MAIN	WNW 1/4 - 1/2 (0.474 mi.)	X96	242
4229 MAIN	4229 MAIN	WNW 1/4 - 1/2 (0.474 mi.)	Y97	245
4049 MAIN	4049 MAIN	WNW 1/4 - 1/2 (0.474 mi.)	X98	247
4015 MAIN	4015 MAIN	WNW 1/4 - 1/2 (0.475 mi.)	X99	250
4255 MAIN	4255 MAIN	WNW 1/4 - 1/2 (0.475 mi.)	Y100	252
4261 MAIN	4261 MAIN	WNW 1/4 - 1/2 (0.476 mi.)	Y101	255
4267 MAIN	4267 MAIN	W 1/4 - 1/2 (0.477 mi.)	Y103	260
4281 MAIN	4281 MAIN	W 1/4 - 1/2 (0.477 mi.)	AA104	262

Lower Elevation	Address	Direction / Distance	Map ID	Page
4295 MAIN	4295 MAIN	W 1/4 - 1/2 (0.478 mi.)	AA106	267
4307 MAIN	4307 MAIN	W 1/4 - 1/2 (0.482 mi.)	AA108	272
4329 MAIN	4329 MAIN	W 1/4 - 1/2 (0.485 mi.)	AA109	275
4353 MAIN	4353 MAIN	W 1/4 - 1/2 (0.488 mi.)	AB111	278
4001 MAIN	4001 MAIN	WNW 1/4 - 1/2 (0.490 mi.)	X112	281
4399 MAIN	4399 MAIN	W 1/4 - 1/2 (0.494 mi.)	AB113	284
3732 12TH	3732 12TH	WNW 1/4 - 1/2 (0.494 mi.)	Y114	286

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 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOTALPLAN INC Status: A Tank Status: A Comp Number: 37058	***3131 TENTH ST***	***NW 0 - 1/8 (0.050 mi.)***	***E16***	***56***
SOUTHERN CAL GAS - R Status: A Tank Status: A Comp Number: 7462	***4495 HOWARD AVE***	***SSW 1/8 - 1/4 (0.209 mi.)***	***J36***	***80***
BLACK GOLD Status: A Tank Status: A Comp Number: 35592	***2871 UNIVERSITY AVE***	***ENE 1/8 - 1/4 (0.219 mi.)***	***K39***	***92***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-D3H Status: A Tank Status: A Comp Number: 39275	***3315 14TH ST***	***WSW 1/8 - 1/4 (0.229 mi.)***	***L42***	***95***

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 9 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOTALPLAN INC Facility Id: 00000037058	3131 10TH STREET	NW 0 - 1/8 (0.050 mi.)	E17	57
SAN ANTIONIO ORCHARD	***3141 9TH ST***	***NNW 0 - 1/8 (0.099 mi.)***	***G20***	***58***

Facility Id: 00000007397				
SAN ANTIONIO ORCHARD	3141 NINTH ST	NNW 0 - 1/8 (0.099 mi.)	G21	59
CITY OF RIVERSIDE FI Facility Id: 00000030927	3880 MULBERRY	NNW 1/8 - 1/4 (0.186 mi.)	I29	65
MULBERRY YARD Facility Id: 00000030900	***3880 MULBERRY***	***NNW 1/8 - 1/4 (0.186 mi.)***	***I30***	***65***
FMC CORP Facility Id: 00000007395	***4430 COMMERCE ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***H32***	***72***
RIVERSIDE Facility Id: 00000007463	4495 HOWARD AVE	SSW 1/8 - 1/4 (0.209 mi.)	J35	79
KEN'S ARCO Facility Id: 00000035592	***2871 UNIVERSITY AVEN***	***ENE 1/8 - 1/4 (0.219 mi.)***	***K38***	***81***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LIM JOO KWANG Facility Id: 00000039275	3315 14TH STREET	WSW 1/8 - 1/4 (0.229 mi.)	L43	100

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
TOTALPLAN INC Facility Id: 33007011 Status: A	***3131 TENTH ST***	***NW 0 - 1/8 (0.050 mi.)***	***E16***	***56***
SOUTHERN CAL GAS - R Facility Id: 33002307 Status: A	***4495 HOWARD AVE***	***SSW 1/8 - 1/4 (0.209 mi.)***	***J36***	***80***
BLACK GOLD Facility Id: 33007003 Status: A	***2871 UNIVERSITY AVE***	***ENE 1/8 - 1/4 (0.219 mi.)***	***K39***	***92***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-D3H Facility Id: 33003825 Status: A	***3315 14TH ST***	***WSW 1/8 - 1/4 (0.229 mi.)***	***L42***	***95***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 02/08/2018 has revealed that there is 1 DEED

site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SO CAL GAS/RIVERSIDE	***10TH STREET AND HOWA***	***E 0 - 1/8 (0.006 mi.)***	***D10***	***31***

Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Envirostor ID: 33490085

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 12/11/2017 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RIVERSIDE CO AGRI CO	***3133 7TH ST***	***N 1/8 - 1/4 (0.241 mi.)***	***M44***	***101***

FUSRAP: 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.

A review of the FUSRAP list, as provided by EDR, and dated 12/23/2016 has revealed that there is 1 FUSRAP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUNTER DOUGLAS ALUMI	3016 KANSAS AVENUE	NE 1/2 - 1 (0.906 mi.)	AC120	292

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 02/08/2018 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GW CLEANUP-RIVERSIDE	***3075 12TH***	***SSW 0 - 1/8 (0.002 mi.)***	***C6***	***26***

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 17 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GW CLEANUP-RIVERSIDE	***3075 12TH***	***SSW 0 - 1/8 (0.002 mi.)***	***C6***	***26***

Reg Id: 8 332262N01				
SO CAL GAS/RIVERSIDE Reg Id: 33490085	10TH ST AND HOWARD	E 0 - 1/8 (0.006 mi.)	D9	31
RIVERSIDE SCRAP IRON Reg Id: 083303625T	2993	SSW 1/8 - 1/4 (0.156 mi.)	27	64
MULBERRY YARD Reg Id: 083301172T	***3880 MULBERRY***	***NNW 1/8 - 1/4 (0.186 mi.)***	***I30***	***65***
MULBERRY YARD Reg Id: 083301910T	***3870 MULBERRY ST***	***NNW 1/8 - 1/4 (0.187 mi.)***	***I31***	***69***
BLACK GOLD Reg Id: 083303624T	***2871 UNIVERSITY AVE***	***ENE 1/8 - 1/4 (0.219 mi.)***	***K39***	***92***
14TH ST GARAGE Reg Id: 083302092T	***2748 14TH ST***	***S 1/4 - 1/2 (0.281 mi.)***	***49***	***110***
SLAMAL PROPERTY (VAC Reg Id: 083301728T	***3663 VINE STREET***	***N 1/4 - 1/2 (0.283 mi.)***	***M50***	***115***
USA PETROLEUM COMPAN Reg Id: 083301863T	***2658 UNIVERSITY AVE***	***E 1/4 - 1/2 (0.289 mi.)***	***N51***	***118***
MOBIL BULK PLANT Reg Id: 083300766T	***4526 COMMERCE ST***	***SW 1/4 - 1/2 (0.295 mi.)***	***O56***	***138***
INLAND FRAME & DESIG Reg Id: 083302339T	3596 COMMERCE	NNE 1/4 - 1/2 (0.320 mi.)	R63	155
QUINLAN PROPERTY Reg Id: 083302089T	***4616 VINE***	***SW 1/4 - 1/2 (0.361 mi.)***	***70***	***174***
WEST COAST WIRE & ST Reg Id: 083301237T	***3120 05TH***	***NNE 1/4 - 1/2 (0.386 mi.)***	***T73***	***182***
STOP N' GO #1065 Reg Id: 083301742T	***2371 UNIVERSITY AVE***	***E 1/4 - 1/2 (0.393 mi.)***	***81***	***206***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL #18-D3H Reg Id: 083302925T	***3315 14TH ST***	***WSW 1/8 - 1/4 (0.229 mi.)***	***L42***	***95***
RSDE COUNTY ADMINIST Reg Id: 083303037T	***4080 LEMON ST***	***WNW 1/4 - 1/2 (0.306 mi.)***	***Q60***	***147***
RIV. CO., AUTOMOTIVE Reg Id: 083301572T	***4293 ORANGE ST***	***W 1/4 - 1/2 (0.392 mi.)***	***U79***	***196***

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 12/14/2017 has revealed that there are 5 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ATCO RUBBER PRODUCTS	***3080 12TH ST***	***SW 0 - 1/8 (0.016 mi.)***	***C14***	***48***
SINGLETARY, KING	2675 THIRD	NNE 1/2 - 1 (0.610 mi.)	117	290
LEWIS, A.M.	2727 KANSAS AVENUE	NE 1/2 - 1 (0.965 mi.)	122	295

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIME'S TIRE SERVICE,	4150 MARKET STREET	WNW 1/2 - 1 (0.540 mi.)	116	290

Lower Elevation	Address	Direction / Distance	Map ID	Page
STEARNS DOWNTOWN LIQ	4029 7TH	NW 1/2 - 1 (0.757 mi.)	118	290

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
RIVERSIDE GAS AND EL	3084 E. 10TH STREET	0 - 1/8 (0.000 mi.)	A2	25

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOZANO FRANK	4142 PARK AVE	SSE 0 - 1/8 (0.109 mi.)	F23	61
FERGUSON E A	4008 PARK AVE	ESE 0 - 1/8 (0.111 mi.)	24	61

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAMPBELL GLEN W	3010 11TH ST	0 - 1/8 (0.000 mi.)	B4	26

EXECUTIVE SUMMARY

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PALMER H L	4173 PARK AVE	SSE 0 - 1/8 (0.090 mi.)	F19	58

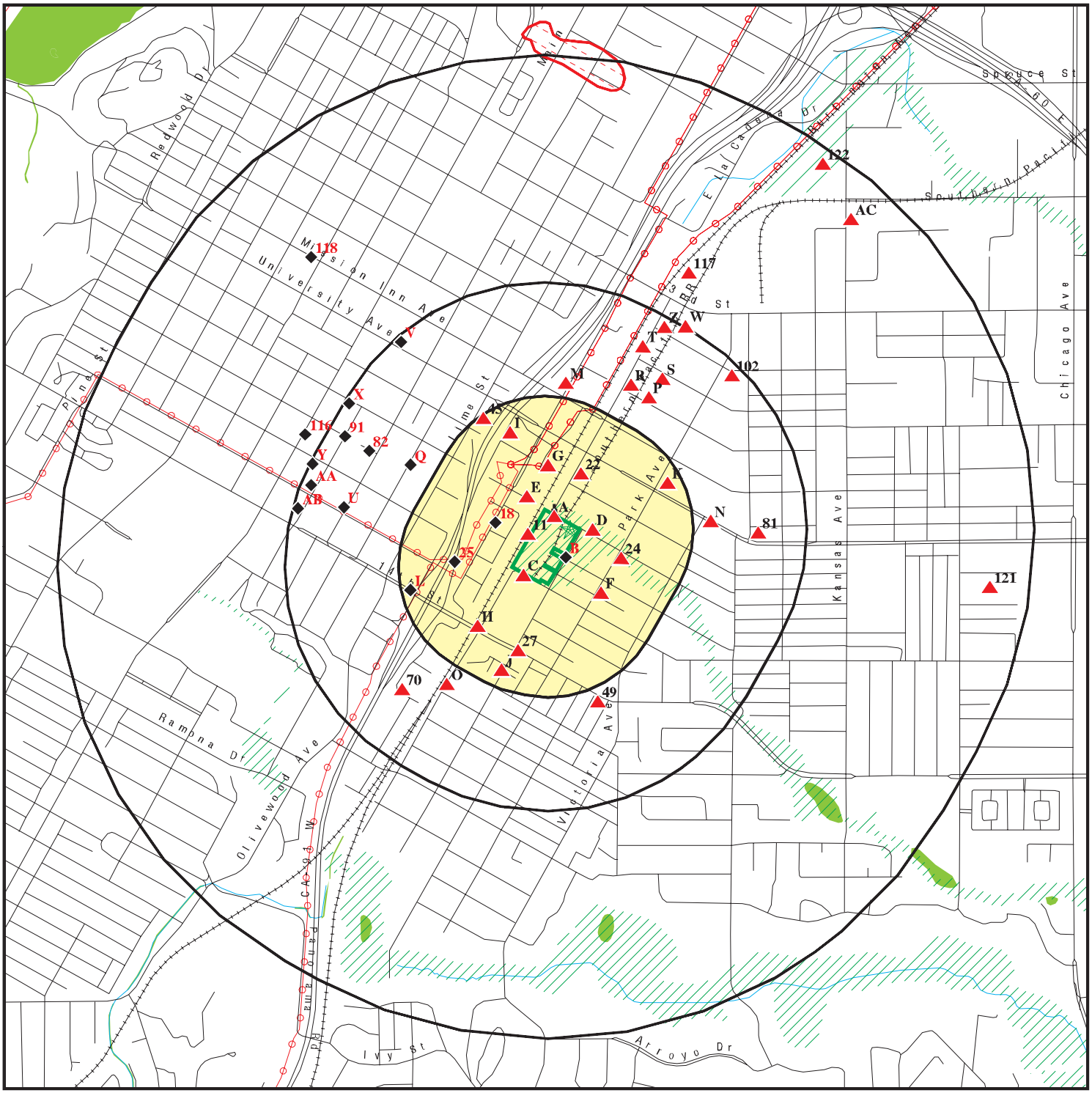
Lower Elevation	Address	Direction / Distance	Map ID	Page
JOHNSON H H	4120 VINE ST	W 0 - 1/8 (0.080 mi.)	18	57

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
SMITH PROPERTY	LUST
UCR - PARKING LOT 6	LUST
UCR (PESTICIDE PITS)	SLIC

OVERVIEW MAP - 5221946.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

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: Ten APNs	CLIENT: Ninyo & Moore
ADDRESS: 3034 10th Street Riverside CA 92507	CONTACT: Dennis Fee INQUIRY #: 5221946.2s
LAT/LONG: 33.97598 / 117.36778	DATE: March 16, 2018 1:31 pm

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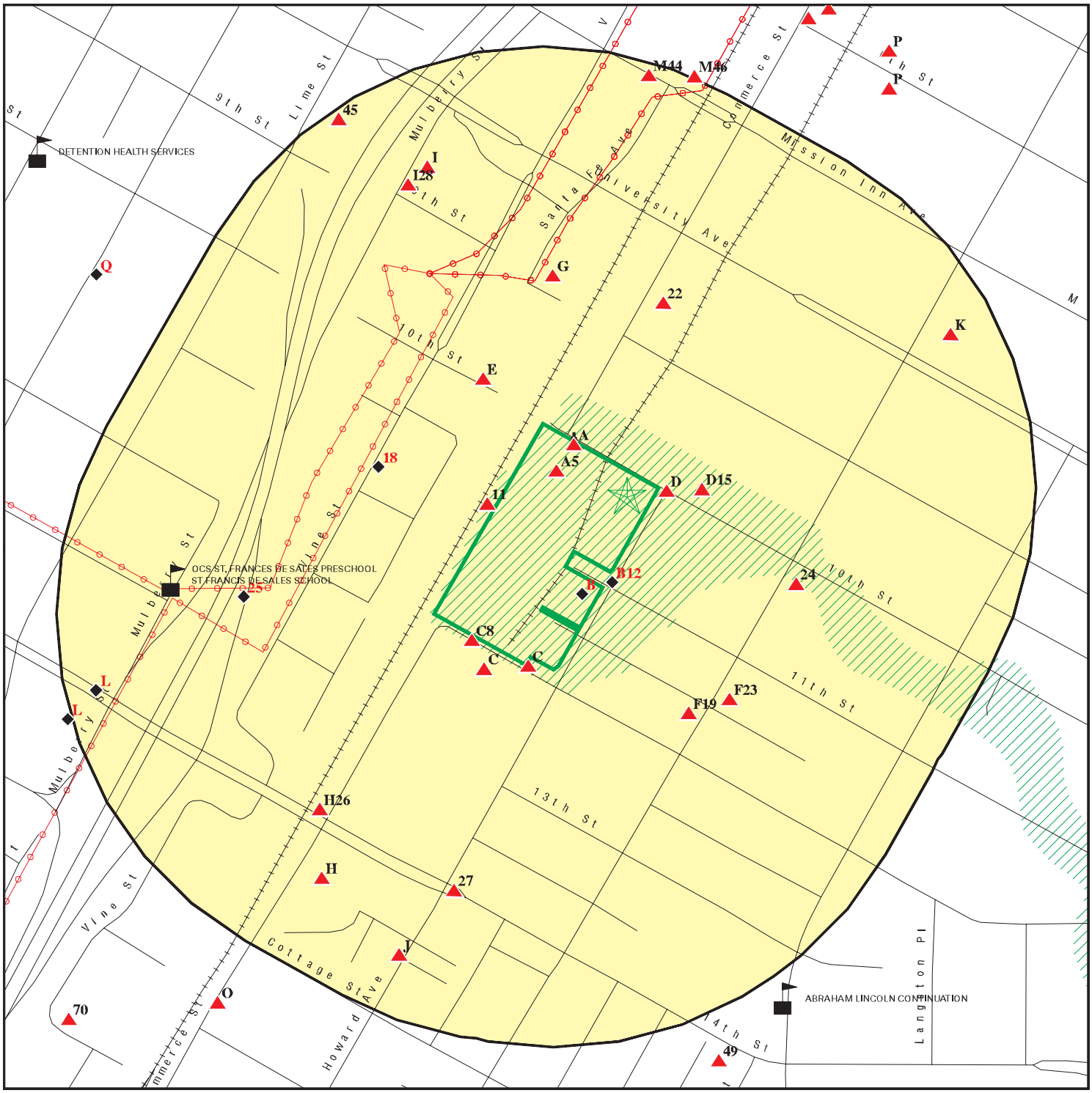
DETAIL MAP - 5221946.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

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: Ten APNs	CLIENT: Ninyo & Moore
ADDRESS: 3034 10th Street Riverside CA 92507	CONTACT: Dennis Fee INQUIRY #: 5221946.2s
LAT/LONG: 33.97598 / 117.36778	DATE: March 16, 2018 1:34 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	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	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	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
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		0	0	NR	NR	NR	0
RCRA-SQG	0.250		5	2	NR	NR	NR	7
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	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		1	2	3	4	NR	10
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		1	5	20	NR	NR	26

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
SLIC	0.500		4	2	1	NR	NR	7
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	3	NR	NR	NR	4
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								
VCP	0.500		1	0	1	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
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	42	NR	NR	42
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	3	NR	NR	NR	4
HIST UST	0.250		3	6	NR	NR	NR	9
CA FID UST	0.250		1	3	NR	NR	NR	4
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		1	0	0	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	1	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	5	10	NR	NR	17
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		1	0	0	4	NR	5
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		1	0	0	0	NR	1
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	29	32	78	10	0	149

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

NPL **Region** **North** **1/2-1** **4925 ft.**	**ALARK HARD CHROME** **2777 MAIN STREET** **RIVERSIDE, CA 92501**	**NPL** **SEMS** **RCRA-SQG** **ENVIROSTOR** **SLIC** **LIENS** **FINDS** **ECHO** **Cortese** **HIST CORTESE**	**1000857231** **CAD098229214**

NPL:

EPA ID:	CAD098229214
Cerclis ID:	901694
EPA Region:	9
Federal:	N
Final Date:	2000-12-01 00:00:00
Site Score:	50.5
Latitude:	33.991886000000001
Longitude:	-117.367186

Site Details:

Site Name:	ALARK HARD CHROME
Site Status:	Final
Site Zip:	92501
Site City:	RIVERSIDE
Site State:	CA
Federal Site:	No
Site County:	RIVERSIDE
EPA Region:	09
Date Proposed:	07/27/00
Date Deleted:	Not reported
Date Finalized:	12/01/00

Substance Details:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
Substance:	Not reported
CAS #:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A020
Substance:	CHROMIUM AND COMPOUNDS
CAS #:	Not reported
Pathway:	GROUND WATER PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	A020
Substance:	CHROMIUM AND COMPOUNDS
CAS #:	Not reported
Pathway:	SURFACE WATER PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	A038

ALARK HARD CHROME (Continued) **1000857231**

Substance: NICKEL AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: C320
Substance: CHROMIUM, HEXAVALENT
CAS #: 18540-29-9
Pathway: GROUND WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: C320
Substance: CHROMIUM, HEXAVALENT
CAS #: 18540-29-9
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)
CAS #: 7440-43-9
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: P030
Substance: CYANIDES (SOLUBLE SALTS)
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at Proposal July 27, 2000): The Alark Hard Chrome site occupies approximately 0.25 acre in a light industrial area of the city of Riverside. An electroplating shop operated on site from 1971 to 1985. Eighteen open plating tanks werehoused in the front and middle rooms of the shop. The tanks were set directly on the ground in cut outs in the concrete floor. As metal parts were lifted out of each tank, the plating solution would drip and spill onto the floor and into the 3-inch to 5-inch gap between the tank and the floor. Plating solutions were also allegedly discharged directly into a 4-foot wide by 40-foot deep pit located in the middle room. Water from washdowns in the plating areas flowed into three floor drains that were routed to a 500-gallon underground holding tank located outside the rear of the building. The back room of the shop housed grinders and polishers. During a 1982 investigation of the site, personnel from the Riverside County Departmentof Health observed pools of chemicals outside the back door of the shop. In 1985, the owners of Alark Hard Chrome ceased operations and took the plating tanks off site. The underground holding tank was also taken off site sometime in the mid-or late-1980s. In 1990 and 1991, a contractor to the California Environmental Protection Agency, Department of Toxic Substances Control DTSC) conducted a subsurface soil investigation at the site. One hundred three 103) soil samples were collected from 24 boreholes drilled to depths ranging from 7.5 feet below ground surface bgs) to 60 feet bgs. Analytical results indicated the presence of total chromium and hexavalent chromium at concentrations up to 4,380 milligrams per kilogrammg/kg) and 1,100

ALARK HARD CHROME (Continued) **1000857231**

mg/kg, respectively, to depths of at least 40 feet bgs in the middle room, 15 feet bgs in the back room, and 20 feet bgs adjacent to the former underground holding tank and outside the back door. Cadmium, cyanide, and nickel were also detected at elevated concentrations, but at fewer sample locations. In 1994, a contractor to DTSC excavated 1,207.73 cubic yards of contaminated soil from a 26-foot wide by 30-foot long area in the middle room to depths ranging from 27 to40 feet bgs. Post-excavation sampling results, as well as the 1990 and 1991 sampling results, indicate that contaminated soil is still present beneath the excavated area in the middle room and in other areas of the site. Ten ground water monitoring wells have been installed in the vicinity of the site. Analytical results from a 1995 DTSC sampling event indicated the presence of total chromium and hexavalent chromium at concentrations up to 0.21 milligrams per liter mg/l) and 0.27 mg/l, respectively, in the two monitoring wells located within 20 feet of the middle room of the shop. These two wells are screened in alluvial deposits. Eighteen municipal drinking water wells, which draw ground water from the Riverside basin alluvial deposits, are located within 4 miles of the Alark Hard Chrome site. Surface runoff from the site enters a storm drain system that discharges into Springbrook Channel approximately 0.5 mile northwest of the site. The channel terminates in adiversion dam at Fairmount Lake, approximately 200 feet downstream of the discharge point. During periods of heavy rainfall, the flow in Springbrook Channel exceeds the capacity of the diversion dam, resulting in storm drain water flowing from thechannel into Fairmount Lake. In 1992, a contractor to the U.S. Environmental Protection Agency EPA), collected sediment samples from Springbrook Channel and Fairmount Lake. Total chromium was detected at concentrations of 6.5 mg/kg in the samplecollected from the channel 300 feet upstream of the discharge point and 28.7 mg/kg in the sample collected from Fairmount Lake. Fairmount Lake flows into Lake Evans. Both are urban fishing lakes that are stocked with trout and catfish by the California Departmentof Fish and Game. Status December 2000): EPA is considering various alternatives for this site. The description of the site release) is based on information available at the time the site was evaluated with the HRS.The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices. For more information about the ha ardous substances identified in thisnarrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at http://www.atsdr.cdc.gov/toxfaq.html or by telephone at 1-888-42-ATSDR or 1-888-422-8737.

Site Status Details:

NPL Status:	Final
Proposed Date:	07/27/2000
Final Date:	12/01/2000
Deleted Date:	Not reported

Narratives Details:

NPL Name:	ALARK HARD CHROME
City:	RIVERSIDE
State:	CA

SEMS:

Site ID:	901694
EPA ID:	CAD098229214

ALARK HARD CHROME (Continued) **1000857231**

Cong District:	Not reported
FIPS Code:	6065
Latitude:	33.991886000000001
Longitude:	-117.367186
FF:	N
NPL:	Currently on the Final NPL
Non NPL Status:	Not reported

SEMS Detail:

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1984-04-01 00:00:00
Finish Date:	4/1/1984
Qual:	H
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	2
Start Date:	1990-07-06 00:00:00
Finish Date:	7/6/1990
Qual:	H
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1984-04-01 00:00:00
Finish Date:	4/1/1984
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME

ALARK HARD CHROME (Continued) **1000857231**

NPL:	F
FF:	N
OU:	0
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1984-04-01 00:00:00
Finish Date:	4/1/1984
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	MA
Action Name:	ST COOP
SEQ:	1
Start Date:	2010-10-07 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2000-10-24 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	1
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	2001-07-06 00:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9

ALARK HARD CHROME (Continued) **1000857231**

Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	2000-12-01 00:00:00
Finish Date:	12/1/2000
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	2000-07-27 00:00:00
Finish Date:	7/27/2000
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901694
EPA ID:	CAD098229214
Site Name:	ALARK HARD CHROME
NPL:	F
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-04-01 00:00:00
Finish Date:	4/1/1984
Qual:	L
Current Action Lead:	St Perf

RCRA-SQG:

Date form received by agency:	01/29/2004
Facility name:	ALARK
Facility address:	2777 MAIN ST RIVERSIDE, CA 92509
EPA ID:	CAD098229214
Mailing address:	US EPA (SFD 7 4) 75 HAWTHORNE ST SAN FRANCISCO, CA 94105
Contact:	DAVID STENSBY
Contact address:	US EPA (SFD 7 4) 75 HAWTHORNE ST SAN FRANCISCO, CA 94105

ALARK HARD CHROME (Continued) **1000857231**

Contact country: US
Contact telephone: 415-972-3246
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: DEPT OF TOXIC SUBSTANCES CONTROL
Owner/operator address: 245 W BROADWAY STE 350
LONG BEACH, CA 90802
Owner/operator country: Not reported
Owner/operator telephone: 310-590-4856
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US EPA REG 9
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: Federal
Owner/Operator Type: Operator
Owner/Op start date: 03/17/2003
Owner/Op end date: Not reported

Owner/operator name: US EPA REG 9
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: Federal
Owner/Operator Type: Owner
Owner/Op start date: 03/17/2003
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

ALARK HARD CHROME (Continued) **1000857231**

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

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

Historical Generators:
Date form received by agency: 09/01/1996
Site name: ALARK HARD CHROME
Classification: Small Quantity Generator

Violation Status: No violations found

ENVIROSTOR:
Facility ID: 33340002
Status: Active
Status Date: 04/19/1996
Site Code: 400003
Site Type: Federal Superfund
Site Type Detailed: State Response or NPL
Acres: 0.23
NPL: YES
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Joseph Cully
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 61
Senate: 31
Special Program: EPA - Multi-Site Cooperative Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Joint State/Federal-Funded
Latitude: 33.99149
Longitude: -117.3684
APN: 209-270-002
Past Use: METAL PLATING - CHROME
Potential COC: Lead Trichloroethylene (TCE Cadmium and compounds Chromium III Chromium VI Nickel
Confirmed COC: 30013-NO 30108-NO Chromium III Chromium VI 30407-NO Trichloroethylene (TCE
Potential Description: AQUI, OTH
Alias Name: 209-270-002
Alias Type: APN
Alias Name: CAD098229214

ALARK HARD CHROME (Continued) **1000857231**

Alias Type: EPA Identification Number
Alias Name: 110002665660
Alias Type: EPA (FRS #)
Alias Name: SLT8R0343919
Alias Type: GeoTracker Global ID
Alias Name: 300003
Alias Type: Site Code - Historical
Alias Name: P41001
Alias Type: PCode
Alias Name: 400003
Alias Type: Project Code (Site Code)
Alias Name: 33340002
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/27/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/14/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/05/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/07/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE

ALARK HARD CHROME (Continued) **1000857231**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Engineering Evaluation / Cost Analysis - Non-Time Critical
Completed Date: 09/30/1991
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: 03/30/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 11/21/2007
Comments: DTSC sent an e-mail note to U.S. EPA, stating that they concur with U.S. EPA's approval of the Treatability Study Workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 09/03/1997
Comments: Site Screening Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 11/23/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan

ALARK HARD CHROME (Continued) **1000857231**

Completed Date: 10/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/28/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Cost Recovery Settlements/Decrees
Completed Date: 01/30/2002
Comments: Judgment was issued in United States District court against the two property owners of this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 12/12/2007
Comments: On December 12, 2007, the California Department of Justice issued a lien against the two owners of this site for all the money owed the State of California Department of Toxic Substances Control. It has been determined by DTSC's attorneys that this suffices as the lien DTSC needs to issue for its damages.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/15/2013
Comments: Site Visit occurred on that day.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 08/11/2000
Comments: AG filed this case in federal court.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/26/1994
Comments: NEGDK

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Imminent and/or Subst. Endangerment Determination
Completed Date: 11/24/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Injunctive Relief Order
Completed Date: 07/13/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE

ALARK HARD CHROME (Continued) **1000857231**

Completed Sub Area Name:	Not reported
Completed Document Type:	Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date:	02/28/1987
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	01/06/1983
Comments:	Facility identified via old phonebook search - 1972 plating firm.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Triage Meeting
Completed Date:	05/28/2015
Comments:	Not reported

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2026
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2032
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Proposed Plan
Future Due Date:	2021
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Record of Decision
Future Due Date:	2022
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Feasibility Study Report
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

SLIC:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	01/01/1965
Global Id:	SLT8R0343919
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL

ALARK HARD CHROME (Continued) **1000857231**

Lead Agency Case Number:	CAD098229214
Latitude:	33.99191
Longitude:	-117.366751
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SLT8R034
File Location:	DTSC
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons, Trichloroethylene (TCE), Chromium, Nickel
Site History:	See Department of Toxic Substances Control website http://www.envirostor.dtsc.ca.gov/public

Click here to access the California GeoTracker records for this facility:

LIENS:

Envirostor Id:	33340002
Latitude:	33.991497
Longitude:	-117.36846
Project Mgr:	JOSEPH CULLY
Project Code:	400003
If Satisfied:	NO
Date Satisfied:	Not reported
Site Status:	ACTIVE
Site Type:	STATE RESPONSE OR NPL
Completed:	12/12/2007
Lien Amount:	$2,639,729.32
Amount Remaining:	Not reported
APNS:	209-270-002
Description:	The facility was formerly an industrial machining and plating shop where plating solutions were disposed of or spilled onto soils from tanks. The site encompasses approximately 10,000 square feet and is located in a light industrial area. Operations at the site ceased in 1985, and the facility has since remained unoccupied. The facility used an electroplating process that involved plating metal parts using chemical baths containing cadmium (Cd), Chromium (Cr), and Nickel (Ni). Grinding equipment and chemical rinse baths were also used during the electroplating process which contributed to the contamination. The soil at the site was contaminated as a result of spills, drips, and possible discharge of plating bath solutions that occurred during the fourteen years of operation. A preliminary investigation completed in 1983, included soil sampling under the building and found higher than normal levels of metals Cd, Cr, and Ni. Exposure to these hazardous substances can occur from inhalation, ingestion, or direct contact. The area where the contaminants were found is inside a secured building and no exposure is anticipated. In February 1987, a Remedial Order (RAO) was issued to the Responsible Parties (RPs) to characterize and remediate the hazardous substances at the site. In July 1989, a Final Determination of Noncompliance was issued for failure to submit required documents. This case was referred to the AG's office for enforcement. In July 1990, the Department conducted a soil investigation to determine the extent of the contamination. The investigation confirmed high levels of Cr and lead. An Imminent and Substantial Endangerment Determination and Remedial Action Order (Order) was issued to the responsible parties (RPs) on November 24, 1993. DTSC issued a Notice of Final

ALARK HARD CHROME (Continued) **1000857231**

Determination of Non-Compliance on January 12, 1994. In June of 1994, DTSC conducted a removal action excavating the highest concentration of heavy metal contaminated soil from the middle room of the Alark facility. A total of 1,810 tons of contaminated soil was excavated and transported to a treatment and disposal facility. The excavated area was backfilled and a temporary cap was constructed. DTSC conducted a groundwater investigation in January of 1995. Groundwater monitoring wells were constructed around the Alark facility. Initial results of the groundwater investigation detected hexavalent chromium in the groundwater. DTSC conducted an additional groundwater investigation constructing monitoring wells and additional sampling. DTSC approved a groundwater remedial investigation prepared by URS consultants on 3/11/96. Due to the high threat to human health at the site and the lack of state and PRP funds to perform the necessary work, DTSC requested the U.S. EPA to become the lead agency and conduct the necessary remedial activities at the Site. U.S. EPA is now the lead agency, and the Site is on U.S. EPA's National Priorities List (NPL). The two men who owned this Site were William Clark and Bill Allen. Mr. Clark filed for Chapter 7 bankruptcy which was discharged, and Mr. Allen has no appreciable assets. Therefore a NFCRA has been finalized for over $2 million regarding this site. According to our attorney, Mr. Allen has recently deceased. Mr. Allen's sons would like to sell the site, and claim that Mr. Clark signed a quit claim for the site, but there is no evidence of this. Mr. Allen's sons could be considered responsible parties, and so could anybody that bought the site. Currently U.S. EPA has no contract for any work to be done at the site, nor do they know when will they will have any. They will have no documents to give DTSC until at least the first of 2019.

FINDS:

Registry ID: 110002665660

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 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.

SUPERFUND NPL

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

ALARK HARD CHROME (Continued) **1000857231**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000857231
Registry ID:	110002665660
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002665660

CORTESE:

Region:	CORTESE
Envirostor Id:	33340002
Site/Facility Type:	FEDERAL SUPERFUND - LISTED
Cleanup Status:	ACTIVE
Status Date:	04/19/1996
Site Code:	400003
Latitude:	33.991497
Longitude:	-117.36846
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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	CALSI
Reg Id:	33340002

A1 **SOUTHERN CALIFORNIA GAS COMPANY** **RCRA-SQG** **1014387393**
3084 E 10TH ST **CAR000209155**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 1 of 3 in cluster A

Relative: Higher
Actual: 872 ft.

RCRA-SQG:

Date form received by agency:	06/24/2010
Facility name:	SOUTHERN CALIFORNIA GAS COMPANY
Facility address:	3084 E 10TH ST RIVERSIDE, CA 92507-4906
EPA ID:	CAR000209155
Mailing address:	6875 CONSOLIDATED WAY SD 1373 SAN DIEGO, CA 92121
Contact:	JAMES T SCRUGGS
Contact address:	6875 CONSOLIDATED WAY SD 1373 SAN DIEGO, CA 92121
Contact country:	US

SOUTHERN CALIFORNIA GAS COMPANY (Continued) **1014387393**

Contact telephone: 858-653-3104
Contact email: JSCRUGGS@SEMPRAUTILITIES.COM
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: SOUTHERN CALIFORNIA GAS CO
Owner/operator address: 6875 CONSOLIDATED WAY SD 1373
SAN DIEGO, CA 92121
Owner/operator country: US
Owner/operator telephone: 858-653-3104
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: 01/27/1980
Owner/Op end date: Not reported

Owner/operator name: SOUTHERN CALIFORNIA GAS CO
Owner/operator address: 6875 CONSOLIDATED WAY SD 1373
SAN DIEGO, CA 92121
Owner/operator country: US
Owner/operator telephone: 858-653-3104
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: 01/27/1980
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: 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

Universal Waste Summary:
Waste type: Batteries

SOUTHERN CALIFORNIA GAS COMPANY (Continued) **1014387393**

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: Pesticides
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 code: 151
. Waste name: Asbestos-containing waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. 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: D018
. Waste name: BENZENE

Violation Status: No violations found

A2 **RIVERSIDE GAS AND ELECTRIC LIGHT CO** **EDR MGP** **1008407743**
3084 E. 10TH STREET **N/A**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 2 of 3 in cluster A

Relative: Higher
Actual: 872 ft.

Manufactured Gas Plants:
Alternate Name:EDISON ELECTRIC LIGHT GO-GAS WORKS;SOUTHERN CAL GAS. No additional information available

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B3 **FORMER POMA DISTRIBUTING COMPANY** **SLIC** **S105502119**
3010 11TH STREET **N/A**
< 1/8 **RIVERSIDE, CA 92501**
1 ft.

Site 1 of 3 in cluster B

Relative: Lower
Actual: 863 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	03/01/2006
Global Id:	SL606592762
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.975072
Longitude:	-117.367024
Case Type:	Cleanup Program Site
Case Worker:	KS
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Regional Board
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	The site overlies a contaminant groundwater plume of low concentration petroleum hydrocarbon. Low concentrations of VOCs have also been detected in several monitoring wells near the site, associated with upgradient source (s). Limited soil vapor extraction were performed in 1998.

Click here to access the California GeoTracker records for this facility:

SLIC REG 8:

Type:	Soil
Facility Status:	6
Staff:	Kamron Saremi, Tel 909-782-4303, SLIC
Substance:	TPH
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

B4 **CAMPBELL GLEN W** **EDR Hist Auto** **1021789440**
3010 11TH ST **N/A**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 2 of 3 in cluster B

Relative: EDR Hist Auto
Lower

Actual:
863 ft.

Year:	Name:	Type:
1971	CAMPBELL GLEN W	Toys And Hobby Goods And Supplies
1972	CAMPBELL GLEN W	Toys And Hobby Goods And Supplies
1973	CAMPBELL GLEN W	Petroleum Products, NEC
1974	CAMPBELL GLEN W	Petroleum Products, NEC

A5 **FMC CORP.** **SLIC** **S106486914**
3087 12TH STREET **N/A**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 3 of 3 in cluster A

Relative: SLIC:
Higher

Actual:
869 ft.

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	05/16/2016
Global Id:	SLT8R0333918
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.9759207723475
Longitude:	-117.368724346161
Case Type:	Cleanup Program Site
Case Worker:	KS
Local Agency:	Not reported
RB Case Number:	SLT8R033
File Location:	Regional Board
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Volatile Organic Compounds (VOCs) were detected in several emergency supply wells owned and operated by the City of Riverside in the proximity to the former FMC sometimes in early 1980s. Several investigations at the former FMC (on-site and off-site) were conducted, including soil and groundwater in early 1990s in order to determine the probable source of the VOCs found in groundwater in the immediate area. The available technical data obtained from the investigations did not provide information to consider the former FMC as the primary responsible party for VOC-impacted wells.

Click here to access the California GeoTracker records for this facility:

C6 **GW CLEANUP-RIVERSIDE,12TH ST.** **Cortese** **S105025885**
SSW **3075 12TH** **ENF** **N/A**
< 1/8 **RIVERSIDE, CA** **HIST CORTESE**
0.002 mi.
8 ft.

Site 1 of 5 in cluster C

Relative: CORTESE:
Higher

Actual:
881 ft.

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported

GW CLEANUP-RIVERSIDE,12TH ST. (Continued) **S105025885**

Cleanup Status:	Not reported
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:	CORTESE
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	8
WID Id:	8 332262N01
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Cease Desist Orders & Cleanup Abatement Orders

ENF:

Region:	8
Facility Id:	228446
Agency Name:	FMC Corporation Philadelphia
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4959
SIC Desc 1:	Sanitary Services, NEC
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:	Reg Meas
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:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	8 332262N01
Reg Measure Id:	158590

GW CLEANUP-RIVERSIDE,12TH ST. (Continued) **S105025885**

Reg Measure Type:	Unregulated
Region:	8
Order #:	Not reported
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:	Never Active
Status Date:	02/21/2013
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:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	224834
Region:	8
Order / Resolution Number:	88-082
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/08/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 8 332262N01
Description:	AMMENDS CAO NO. 87-96
Program:	UNREGS
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:

Region:	CORTESE
Facility County Code:	33
Reg By:	WBC&D
Reg Id:	8 332262N01

C7 SSW < 1/8 0.002 mi. 8 ft. | **FMC CORPORATION 3075 E 12TH STREET RIVERSIDE, CA** | **SLIC** | **S108542959 N/A**

Site 2 of 5 in cluster C

Relative: Higher

Actual: 881 ft.

SLIC REG 8:

Type:	SWG
Facility Status:	Additional Characterization Underway
Staff:	Kamron Saremi, Tel 909-782-4303, SLIC
Substance:	TCE, DCE
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

C8 SW < 1/8 0.003 mi. 15 ft. | **FMC CORP CITRUS MACHINERY DIV 3075 12ST ST RIVERSIDE, CA 92502** | **RCRA-SQG FINDS ECHO** | **1000109332 CAD990724361**

Site 3 of 5 in cluster C

Relative: Higher

Actual: 877 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	FMC CORP CITRUS MACHINERY DIV
Facility address:	3075 12ST ST RIVERSIDE, CA 92502
EPA ID:	CAD990724361
Mailing address:	12ST ST RIVERSIDE, CA 92502
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
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
Owner/Op end date:	Not reported
Owner/operator name:	FMC CORP
Owner/operator address:	NOT REQUIRED

FMC CORP CITRUS MACHINERY DIV (Continued) **1000109332**

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

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: 110002903635

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: 1000109332
Registry ID: 110002903635
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002903635

D9 East < 1/8 0.006 mi. 30 ft. | **SO CAL GAS/RIVERSIDE MGP**
10TH ST AND HOWARD
RIVERSIDE, CA 92507 | **HIST CORTESE** | **S105025884**
N/A

Site 1 of 3 in cluster D

Relative: Higher
Actual: 873 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	CALSI
Reg Id:	33490085

D10 East < 1/8 0.006 mi. 30 ft. | **SO CAL GAS/RIVERSIDE MGP**
10TH STREET AND HOWARD
RIVERSIDE, CA 92507 | **ENVIROSTOR**
VCP
DEED | **S101481581**
N/A

Site 2 of 3 in cluster D

Relative: Higher
Actual: 873 ft.

ENVIROSTOR:

Facility ID:	33490085
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/29/2013
Site Code:	400964
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Tedd Yargeau
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	61
Senate:	31
Special Program:	Voluntary Cleanup Program
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.975
Longitude:	-117.368
APN:	211-201-004, 211-201-039
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	Polynuclear aromatic hydrocarbons (PAHs
Potential Description:	SOIL
Alias Name:	RIVERSIDE MPG SITE
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS - RIVERSIDE
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:	TOWN GAS SITE - RIVERSIDE
Alias Type:	Alternate Name
Alias Name:	211-201-004
Alias Type:	APN
Alias Name:	211-201-039
Alias Type:	APN
Alias Name:	110033615746

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Alias Type: EPA (FRS #)
Alias Name: 400964
Alias Type: Project Code (Site Code)
Alias Name: 33490085
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Riverside MGP Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: DTSC sent the cost estimate for the upcoming year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/07/2009
Comments: Mailed the letter to the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 10/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Date: 01/09/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/09/2005
Comments: DTSC conditionally approved the SSI/HRA report and recommended to proceed with the submittal of the RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/15/2007
Comments: DTSC approved the RAP and the Negative Declaration for the site. The site's soil is contaminated with elevated levels of polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPHs), volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), benzidine, lead and arsenic. The selected remedial alternative is the excavation of all contaminated soil above site target criteria. The excavated soil will be removed and transported off-site for treatment/recycling or disposal. It is expected that approximately 100,000 tons on contaminated soil will be removed from the site. The excavated area will be restored by backfilling with clean imported soil, followed by compacting and grading.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/02/1994
Comments: PEA considered complete. Further investigation/remediation warranted in future on lo-priority basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2006
Comments: DTSC completed review and suggested incorporation of acceptable response into subsequent quarterly reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Approved and asked to incoporate comments in the 2nd quarter report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2006
Comments: Approved and recommended to incorporate comments in the 3rd quarter

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/25/2006
Comments: DTSC does not have any comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/25/2007
Comments: DTSC approved the FS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2006
Comments: DTSC approved the report with comments. However, recommened to incorporate DTSC's comments in the future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2007
Comments: DTSC provided comments regrding the subject document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/20/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/17/2007
Comments: Not reported

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/24/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/06/2012
Comments: Riverside MGP RACR final reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2009
Comments: DTSC approved the report. However, recommended not to discontinue Title 2 metal analysis. DTSC suggested to reduce the frequency of metal analysis from quarterly to annual basis.

Completed Area Name: PROJECT WIDE

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 12/06/2008
Comments: DTSC scheduled a meeting to discuss internally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 01/05/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/26/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2010
Comments: RA Fieldwork Implemented

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 11/05/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/23/2011
Comments: Supplemental fieldwork completed in support of Remedial Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 03/06/2012
Comments: Construction Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/20/2012
Comments: Post Closure Soil Gas and Groundwater Sampling completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2012

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 02/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2008
Comments: DTSC sent a letter requesting voluntary site access for implementing the RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2014
Comments: Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/22/2010
Comments: FMC Invite letter competed and sent out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/19/2010
Comments: Draft and send out cost estimate letter for fiscal year 2010-2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/15/2007
Comments: DTSC approved the Negative Declaration.

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2023
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2018
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:

Facility ID:	33490085
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Tedd Yargeau
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Site Code:	400964
Assembly:	61
Senate:	31
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/29/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.975 / -117.368
APN:	211-201-004, 211-201-039
Past Use:	MANUFACTURED GAS PLANT
Potential COC:	30019
Confirmed COC:	30019
Potential Description:	SOIL
Alias Name:	RIVERSIDE MPG SITE
Alias Type:	Alternate Name
Alias Name:	SO CAL GAS - RIVERSIDE
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:	TOWN GAS SITE - RIVERSIDE
Alias Type:	Alternate Name
Alias Name:	211-201-004
Alias Type:	APN
Alias Name:	211-201-039
Alias Type:	APN
Alias Name:	110033615746
Alias Type:	EPA (FRS #)

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Alias Name: 400964
Alias Type: Project Code (Site Code)
Alias Name: 33490085
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/20/2015
Comments: Riverside MGP Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: DTSC sent the cost estimate for the upcoming year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 06/01/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/29/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/07/2009
Comments: Mailed the letter to the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 10/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 03/08/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 01/09/2017

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/09/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/09/2005
Comments: DTSC conditionally approved the SSI/HRA report and recommended to proceed with the submittal of the RAW.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/15/2007
Comments: DTSC approved the RAP and the Negative Declaration for the site. The site's soil is contaminated with elevated levels of polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPHs), volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), benzidine, lead and arsenic. The selected remedial alternative is the excavation of all contaminated soil above site target criteria. The excavated soil will be removed and transported off-site for treatment/recycling or disposal. It is expected that approximately 100,000 tons on contaminated soil will be removed from the site. The excavated area will be restored by backfilling with clean imported soil, followed by compacting and grading.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/02/1994
Comments: PEA considered complete. Further investigation/remediation warranted in future on lo-priority basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/04/2006
Comments: DTSC completed review and suggested incorporation of acceptable response into subsequent quarterly reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/31/2005
Comments: Approved and asked to incoporate comments in the 2nd quarter report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/18/2006
Comments: Approved and recommended to incorporate comments in the 3rd quarter monitoring report.

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/25/2006
Comments: DTSC does not have any comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/25/2007
Comments: DTSC approved the FS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2006
Comments: DTSC approved the report with comments. However, recommened to incorporate DTSC's comments in the future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/11/2007
Comments: DTSC provided comments regrding the subject document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 06/20/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/17/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/09/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/24/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/06/2012
Comments: Riverside MGP RACR final reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2009
Comments: DTSC approved the report. However, recommended not to discontinue Title 2 metal analysis. DTSC suggested to reduce the frequency of metal analysis from quarterly to annual basis.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Date: 12/06/2008
Comments: DTSC scheduled a meeting to discuss internally.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 01/05/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 01/26/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2010
Comments: RA Fieldwork Implemented

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 11/05/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/23/2011
Comments: Supplemental fieldwork completed in support of Remedial Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 03/06/2012
Comments: Construction Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/20/2012
Comments: Post Closure Soil Gas and Groundwater Sampling completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/30/2012
Comments: Not reported

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Decommissioning Report
Completed Date: 02/20/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/15/2008
Comments: DTSC sent a letter requesting voluntary site access for implementing the RAP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/05/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/09/2014
Comments: Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Voluntary Cleanup Agreement Completion
Completed Date: 08/20/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/22/2010
Comments: FMC Invite letter competed and sent out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/19/2010
Comments: Draft and send out cost estimate letter for fiscal year 2010-2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 10/15/2007
Comments: DTSC approved the Negative Declaration.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported

SO CAL GAS/RIVERSIDE MGP (Continued) **S101481581**

Future Document Type: 5 Year Review Reports
Future Due Date: 2023
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2018
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:
Envirostor ID: 33490085
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 06/01/2012
File Name: Envirostor Land Use Restrictions

11
West
< 1/8
0.006 mi.
31 ft.

RIVERSIDE PLUME **SLIC** **S106486916**
DOWNTOWN RIVERSIDE **N/A**
RIVERSIDE, CA

Relative:
Higher

Actual:
872 ft.

SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 05/12/2015
Global Id: SLT8R0373922
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.975894080962
Longitude: -117.369389533997
Case Type: Cleanup Program Site
Case Worker: KS
Local Agency: Not reported
RB Case Number: SLT8R037
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:

B12 South < 1/8 0.007 mi. 38 ft. | **ROYAL CITRUS CO INC** | **UST** | **U003803331** | **N/A**
2995 11TH ST
RIVERSIDE, CA 92507

Site 3 of 3 in cluster B

Relative: Lower
Actual: 860 ft.

UST:

Facility ID:	658
Permitting Agency:	RIVERSIDE COUNTY
Latitude:	33.975
Longitude:	-117.36777

C13 SW < 1/8 0.016 mi. 82 ft. | **ROHR INDUSTRIES INC** | **RCRA-SQG** | **1000351375**
3080 12TH STREET | **FINDS** | **CAD982473159**
RIVERSIDE, CA 92501 | **ECHO**

Site 4 of 5 in cluster C

Relative: Higher
Actual: 879 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	ROHR INDUSTRIES INC
Facility address:	3080 12TH STREET RIVERSIDE, CA 92501
EPA ID:	CAD982473159
Mailing address:	8200 ARLINGTON AVENUE RIVERSIDE, CA 92503
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
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
Owner/Op end date:	Not reported
Owner/operator name:	ATCO RUBBER PRODUCTS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212

ROHR INDUSTRIES INC (Continued) **1000351375**

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: 06/03/1988
Site name: ROHR INDUSTRIES INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110055878812

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002821199

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: 1000351375
Registry ID: 110002821199

ROHR INDUSTRIES INC (Continued) **1000351375**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002821199

C14 SW < 1/8 0.016 mi. 82 ft. **ATCO RUBBER PRODUCTS INC** **LUST** **S112954318**
3080 12TH ST **HAZNET** **N/A**
RIVERSIDE, CA 92507 **Notify 65**

Site 5 of 5 in cluster C

Relative: Higher
Actual: 879 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005231
Global Id:	T10000005231
Latitude:	33.9742686081328
Longitude:	-117.369501178309
Status:	Completed - Case Closed
Status Date:	07/02/2014
Case Worker:	AB
RB Case Number:	Not reported
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency
Local Case Number:	2013RO6600623
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	July 2012 - One 1000 gallon gasoline UST (T1) was removed and three 1000 gallon gasoline UST's(T2,T3,T4) were abandoned in-place. Three slant borings were drilled under the abandoned UST's and soil samples were collected at four and six feet . All soil samples were ND (non-detect) for TPH, BTXE, & oxygenates except: 1855 mg/kg TPHd (T1-N-2) and 605 mg/kg TPHd (T4-N-4).Lead was detected in all samples with highest detection of 9 mg/kg.. The site was placed into the LOP in October 2013. Assessment: October 2013 One slant-boring (SB2) was advanced to 50 feet below grade (ft bg) under T4 and one vertical boring (SB1) was advanced to 40 ft bg through the former T1 tank cavity. All soil samples from SB1 were non-detect for TPH (C4- C40) and VOCs (8260 full scan). Soil samples from SB2 had detections of TPHd (C12-C22) to a maximum depth of 25 ft bg with the highest concentrations at 20 ft bg (1190 ppm TPHd SB2-20). Samples above and below this depth had detections of 970 ppm TPHd (15-foot sample) and 230 ppm TPHd (25-foot sample). A 25-ft clean zone was established from 30 to 50-ft bg. Groundwater Monitoring: Groundwater was not encountered during drilling to 50 ft. bg and is estimated to be deeper than 100 ft bg. Based on the limited mass and depth to groundwater, remaining hydrocarbon impacts do not pose a threat to groundwater quality. Justification for Closure: The primary source of diesel from the USTs has been removed. The remaining TPHd C4-C40 impacts appear to be limited in mass and confined within shallow soils above 30 feet in the area of former T4 UST. Based on the lack of VOC detections in the soil and low volatility of diesel hydrocarbons, the risk of vapor intrusion appears negligible. Although the site does not meet the LTCP media-specific criteria for petroleum vapor intrusion to indoor air due to TPHd concentrations greater than 100 ppm in the bioattenuation zone and the less than 30-foot of separation between impacted soil and the foundation of existing buildings, this site should be closed. Remediation: not required Other information: The site is currently occupied by a commercial Solar company. 7/2/2014 NFA/Case closure letter issued by RCDEH

ATCO RUBBER PRODUCTS INC (Continued) **S112954318**

LUST:

Global Id:	T10000005231
Contact Type:	Local Agency Caseworker
Contact Name:	ANDREA BRIONES
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	abriones@rivco.org
Phone Number:	9519558980

Global Id:	T10000005231
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T10000005231
Action Type:	RESPONSE
Date:	06/25/2014
Action:	Verbal Communication

Global Id:	T10000005231
Action Type:	ENFORCEMENT
Date:	12/30/2013
Action:	Staff Letter - #RCDEH#123013

Global Id:	T10000005231
Action Type:	RESPONSE
Date:	02/28/2014
Action:	Site Assessment Report - Regulator Responded

Global Id:	T10000005231
Action Type:	Other
Date:	07/02/2012
Action:	Leak Stopped

Global Id:	T10000005231
Action Type:	RESPONSE
Date:	12/19/2013
Action:	Other Report / Document

Global Id:	T10000005231
Action Type:	ENFORCEMENT
Date:	04/02/2014
Action:	LOP Case Closure Summary to RB - #RCDEH#040214

Global Id:	T10000005231
Action Type:	RESPONSE
Date:	04/30/2014
Action:	Other Report / Document

Global Id:	T10000005231

ATCO RUBBER PRODUCTS INC (Continued) **S112954318**

Action Type: ENFORCEMENT
Date: 04/11/2014
Action: Staff Letter - #RCDEH#041014

Global Id: T10000005231
Action Type: Other
Date: 10/25/2013
Action: Leak Reported

Global Id: T10000005231
Action Type: RESPONSE
Date: 02/10/2014
Action: Request for Closure - Regulator Responded

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 10/25/2013
Action: Unauthorized Release Form - #RCDEH#102513

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 11/04/2013
Action: Staff Letter - #RCDEH#110413

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 07/02/2014
Action: Closure/No Further Action Letter - #RCDEH closure docs

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 10/28/2013
Action: Notice of Responsibility - #RCDEH#102813NotA

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 04/10/2014
Action: Notification - Public Notice of Case Closure - #RCDEH#041014

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 07/01/2014
Action: File review - #RCDEH SITE SUMMARY

Global Id: T10000005231
Action Type: Other
Date: 10/25/2013
Action: Leak Discovery

Global Id: T10000005231
Action Type: ENFORCEMENT
Date: 10/25/2013
Action: Notification - Proposition 65 - #RCDEH#102513

Global Id: T10000005231
Action Type: RESPONSE
Date: 01/04/2014

ATCO RUBBER PRODUCTS INC (Continued) **S112954318**

Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T10000005231
Action Type: RESPONSE
Date: 07/20/2012
Action: Tank Removal Report / UST Sampling Report

LUST:
Global Id: T10000005231
Status: Open - Case Begin Date
Status Date: 07/02/2012

Global Id: T10000005231
Status: Open - Site Assessment
Status Date: 10/30/2013

Global Id: T10000005231
Status: Open - Eligible for Closure
Status Date: 03/28/2014

Global Id: T10000005231
Status: Open - Eligible for Closure
Status Date: 04/10/2014

Global Id: T10000005231
Status: Completed - Case Closed
Status Date: 07/02/2014

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 2013RO6600623
Employee: Briones-LOP
Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed
Casetype Decode: Soil only is impacted
Fstatus Decode: Closed/Action completed

HAZNET:
envid: S112954318
Year: 2006
GEPAID: CAC002604990
Contact: DAVID POLIZZI/FRONT MNGR
Telephone: 9517884345
Mailing Name: Not reported
Mailing Address: 3080 12TH ST
Mailing City,St,Zip: RIVERSIDE, CA 925074903
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported

ATCO RUBBER PRODUCTS INC (Continued) **S112954318**

Facility County: Riverside

envid: S112954318
Year: 2006
GEPAID: CAC002604990
Contact: DAVID POLIZZI/FRONT MNGR
Telephone: 9517884345
Mailing Name: Not reported
Mailing Address: 3080 12TH ST
Mailing City,St,Zip: RIVERSIDE, CA 925074903
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Contaminated soil from site clean-up
Disposal Method: Recycler
Tons: 0.3
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: S112954318
Year: 2006
GEPAID: CAC002604990
Contact: DAVID POLIZZI/FRONT MNGR
Telephone: 9517884345
Mailing Name: Not reported
Mailing Address: 3080 12TH ST
Mailing City,St,Zip: RIVERSIDE, CA 925074903
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0.06
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

D15 **ROYAL CITRUS CO** **RCRA-SQG** **1000818482**
East **2989 10TH ST** **FINDS** **CAD983643552**
< 1/8 **RIVERSIDE, CA 92507** **ECHO**
0.029 mi. **HAZNET**
153 ft. **Site 3 of 3 in cluster D**

Relative:
Higher

Actual:
877 ft.

RCRA-SQG:
Date form received by agency: 07/22/1992
Facility name: ROYAL CITRUS CO
Facility address: 2989 10TH ST

ROYAL CITRUS CO (Continued) **1000818482**

	RIVERSIDE, CA 92507
EPA ID:	CAD983643552
Mailing address:	P O BOX 288
	RIVERSIDE, CA 92507
Contact:	MICHAEL ADDIE
Contact address:	2989 10TH ST
	RIVERSIDE, CA 92507
Contact country:	US
Contact telephone:	714-683-3762
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:	ROYAL CITRUS CO
Owner/operator address:	P O BOX 288
	RIVERSIDE, CA 92507
Owner/operator country:	Not reported
Owner/operator telephone:	714-686-0987
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

FINDS:

Registry ID: 110002881329

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

ROYAL CITRUS CO (Continued) **1000818482**

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:	1000818482
Registry ID:	110002881329
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002881329

HAZNET:

envid:	1000818482
Year:	1999
GEPAID:	CAD983643552
Contact:	ROYAL CITRUS CO
Telephone:	9096860987
Mailing Name:	Not reported
Mailing Address:	PO BOX 288
Mailing City,St,Zip:	RIVERSIDE, CA 925020288
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.0625
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	1000818482
Year:	1998
GEPAID:	CAD983643552
Contact:	ROYAL CITRUS CO
Telephone:	9096860987
Mailing Name:	Not reported
Mailing Address:	PO BOX 288
Mailing City,St,Zip:	RIVERSIDE, CA 925020288
Gen County:	Not reported
TSD EPA ID:	CAT080025711
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	.6255
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	1000818482
Year:	1998
GEPAID:	CAD983643552
Contact:	ROYAL CITRUS CO

ROYAL CITRUS CO (Continued) **1000818482**

Telephone:	9096860987
Mailing Name:	Not reported
Mailing Address:	PO BOX 288
Mailing City,St,Zip:	RIVERSIDE, CA 925020288
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.2001
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	1000818482
Year:	1998
GEPAID:	CAD983643552
Contact:	ROYAL CITRUS CO
Telephone:	9096860987
Mailing Name:	Not reported
Mailing Address:	PO BOX 288
Mailing City,St,Zip:	RIVERSIDE, CA 925020288
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Other
Tons:	.7000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	1000818482
Year:	1998
GEPAID:	CAD983643552
Contact:	ROYAL CITRUS CO
Telephone:	9096860987
Mailing Name:	Not reported
Mailing Address:	PO BOX 288
Mailing City,St,Zip:	RIVERSIDE, CA 925020288
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	2.1000
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

Click this hyperlink while viewing on your computer to access
18 additional CA_HAZNET: record(s) in the EDR Site Report.

E16 NW < 1/8 0.050 mi. 263 ft. | **TOTALPLAN INC**
3131 TENTH ST
RIVERSIDE, CA 92507

Site 1 of 2 in cluster E

SWEEPS UST | **S101619609**
CA FID UST | **N/A**

Relative: Higher

Actual: 872 ft.

SWEEPS UST:

Status:	Active
Comp Number:	37058
Number:	1
Board Of Equalization:	44-018214
Referral Date:	07-05-90
Action Date:	07-05-90
Created Date:	02-29-88
Owner Tank Id:	001050
SWRCB Tank Id:	33-000-037058-000001
Tank Status:	A
Capacity:	1000
Active Date:	07-05-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Active
Comp Number:	37058
Number:	1
Board Of Equalization:	44-018214
Referral Date:	07-05-90
Action Date:	07-05-90
Created Date:	02-29-88
Owner Tank Id:	001050
SWRCB Tank Id:	33-000-037058-000002
Tank Status:	A
Capacity:	550
Active Date:	07-05-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	33007011
Regulated By:	UTNKA
Regulated ID:	00037058
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147879000
Mail To:	Not reported
Mailing Address:	3131 TENTH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92507
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

E17 NW < 1/8 0.050 mi. 263 ft. | **TOTALPLAN INC** | **HIST UST** | **U001576550** | **N/A**

3131 10TH STREET
RIVERSIDE, CA 92507

Site 2 of 2 in cluster E

Relative: Higher

Actual: 872 ft.

HIST UST:

File Number:	0001F817
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F817.pdf
Region:	STATE
Facility ID:	00000037058
Facility Type:	Other
Other Type:	COMPANY VEHICLES
Contact Name:	W.SCHY/D. FOSDICK/S. BOOSTROM
Telephone:	7147879000
Owner Name:	MR. & MRS. SCHY MR. & MRS. D.
Owner Address:	3131 10TH STREET
Owner City,St,Zip:	RIVERSIDE, CA 92507
Total Tanks:	0002
Tank Num:	001
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	#2
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

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18 West < 1/8 0.080 mi. 424 ft. | **JOHNSON H H** | **EDR Hist Cleaner** | **1009144161** | **N/A**

4120 VINE ST
RIVERSIDE, CA

Relative: Lower

Actual: 867 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1936	JOHNSON H H	CARPET CLEANERS AND LAYERS

F19 SSE < 1/8 0.090 mi. 477 ft. — **PALMER H L**, **4173 PARK AVE**, **RIVERSIDE, CA** — **EDR Hist Cleaner** — **1009145073** / **N/A**

Site 1 of 2 in cluster F

Relative: Higher

Actual: 892 ft.

EDR Hist Cleaner

Year:	Name:	Type:
1945	PALMER H L	CLOTHES PRESSERS AND CLEANERS

G20 NNW < 1/8 0.099 mi. 521 ft. — **SAN ANTIONIO ORCHARDS CO.**, **3141 9TH ST**, **RIVERSIDE, CA 92507** — **HIST UST**, **EMI** — **U001576543** / **N/A**

Site 1 of 2 in cluster G

Relative: Higher

Actual: 870 ft.

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000007397
Facility Type:	Other
Other Type:	ORCHARD
Contact Name:	BILL LATIMER
Telephone:	7147843060
Owner Name:	FMC CORPORATION
Owner Address:	1540 LINDEN ST.
Owner City,St,Zip:	RIVERSIDE, CA 92507
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000760
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	None

EMI:

Year:	1987
County Code:	33
Air Basin:	SC
Facility ID:	3492
Air District Name:	SC
SIC Code:	2879
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:	8
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

G21
NNW
< 1/8
0.099 mi.
521 ft.

SAN ANTIONIO ORCHARDS CO
3141 NINTH ST
RIVERSIDE, CA 92507

Site 2 of 2 in cluster G

HIST UST **S118415041**
N/A

Relative:
Higher

Actual:
870 ft.

HIST UST:

File Number:	0001F691
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F691.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:

22
North
< 1/8
0.109 mi.
575 ft.

WESTERN POLYFORM CORP
3888 COMMERCE
RIVERSIDE, CA 92507

RCRA-SQG **1000403028**
FINDS **CAD039733571**
ECHO

Relative:
Higher

Actual:
870 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	WESTERN POLYFORM CORP
Facility address:	3888 COMMERCE RIVERSIDE, CA 92507
EPA ID:	CAD039733571
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
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:

WESTERN POLYFORM CORP (Continued) **1000403028**

Owner/operator name:	ROBERT M PROBIZANSKI
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

Historical Generators:

Date form received by agency:	10/04/1985
Site name:	WESTERN POLYFORM CORP
Classification:	Large Quantity Generator
Violation Status:	No violations found

Evaluation Action Summary:

Evaluation date:	08/28/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee

WESTERN POLYFORM CORP (Continued) **1000403028**

FINDS:

Registry ID: 110002643578

Environmental Interest/Information System
HAZARDOUS AIR POLLUTANT MAJOR

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: 1000403028
Registry ID: 110002643578
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002643578

F23 **LOZANO FRANK** **EDR Hist Auto** **1009021447**
SSE **4142 PARK AVE** **N/A**
< 1/8 **RIVERSIDE, CA**
0.109 mi.
578 ft. **Site 2 of 2 in cluster F**

Relative: Higher EDR Hist Auto

Actual: 891 ft.

Year:	Name:	Type:
1930	LOZANO FRANK	AUTO REPAIRING
1930	LOZANO FRANK	GASOLINE AND OIL SERVICE STATIONS
1936	LOZANO FRANK	GAS AND OIL SERVICE STATIONS
1939	SOTELO MELITON	GAS AND OIL SERVICE STATIONS

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24 **FERGUSON E A** **EDR Hist Auto** **1009023539**
ESE **4008 PARK AVE** **N/A**
< 1/8 **RIVERSIDE, CA**
0.111 mi.
584 ft.

Relative: Higher EDR Hist Auto

Actual: 886 ft.

Year:	Name:	Type:
1951	FERGUSON E A	GASOLINE STATIONS
1951	FERGUSON S AUTO SERVICE	AUTOMOBILE REPAIRING

25 WSW 1/8-1/4 0.127 mi. 668 ft. | **LA DIST ENG CON PROJ OF RIVERSIDE, CA** | **ENVIROSTOR** | **S109548246 N/A**

Relative: Lower

Actual: 862 ft.

ENVIROSTOR:

Facility ID:	80000286
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	31
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.975
Longitude:	-117.3722
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F548500
Alias Type:	Federal Facility ID
Alias Name:	J09CA0426
Alias Type:	INPR
Alias Name:	80000286
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

H26 SW 1/8-1/4 0.150 mi. 791 ft. | **FAIRFIELD CHEMICALS**
3075 14TH ST
RIVERSIDE, CA 92507

Site 1 of 3 in cluster H

ENVIROSTOR | **S109422426**
N/A

Relative: Higher

Actual: 874 ft.

ENVIROSTOR:

Facility ID:	60000221
Status:	Inactive - Needs Evaluation
Status Date:	03/06/2006
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	7.45
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	31
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.96983
Longitude:	-117.3741
APN:	211231023
Past Use:	FUEL - AIRCRAFT STORAGE/ REFUELING
Potential COC:	Perchlorate
Confirmed COC:	30017-NO
Potential Description:	NONE SPECIFIED
Alias Name:	211231023
Alias Type:	APN
Alias Name:	CAN000908323
Alias Type:	EPA Identification Number
Alias Name:	60000221
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:	06/13/2006
Comments:	EPA concurrence June 13, 2006
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

27 SSW 1/8-1/4 0.156 mi. 826 ft. | **RIVERSIDE SCRAP IRON & ME** | **HIST CORTESE** | **S103973887** | **N/A**
2993
RIVERSIDE, CA 92507

Relative: Higher
Actual: 881 ft.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083303625T

I28 NW 1/8-1/4 0.182 mi. 962 ft. | **RIVERSIDE, CITY, SUBSTATION** | **SLIC** | **S101541246** | **N/A**
3920 MULBERRY
RIVERSIDE, CA 92501

Site 1 of 4 in cluster I

Relative: Higher
Actual: 881 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/06/1994
Global Id:	SLT8R0523936
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.978713
Longitude:	-117.369557
Case Type:	Cleanup Program Site
Case Worker:	KS
Local Agency:	Not reported
RB Case Number:	SLT8R052
File Location:	Regional Board
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:

Region:	STATE
Facility Status:	**Open - Eligible for Closure**
Status Date:	05/02/2017
Global Id:	T10000004259
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.9781949341966
Longitude:	-117.370262500224
Case Type:	Cleanup Program Site
Case Worker:	AK
Local Agency:	Not reported
RB Case Number:	2080080
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Sediments
Potential Contaminants of Concern:	Other Petroleum
Site History:	Tar-like substance was observed in the borehole for the power pole. Waterboard recommended surface capping to prevent infiltration and migration of the contaminant.

Click here to access the California GeoTracker records for this facility:

RIVERSIDE, CITY, SUBSTATION (Continued) **S101541246**

SLIC REG 8:

Type:	Soil
Facility Status:	Closed
Staff:	Kamron Saremi, Tel 909-782-4303, SLIC
Substance:	CREOSOTE/TPH
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

I29 NNW 1/8-1/4 0.186 mi. 981 ft. **CITY OF RIVERSIDE FIRE MAINTEN** **HIST UST** **U001576494**
3880 MULBERRY **N/A**
RIVERSIDE, CA 92507

Site 2 of 4 in cluster I

Relative: Higher
Actual: 880 ft.

HIST UST:

File Number:	0001F543
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F543.pdf
Region:	STATE
Facility ID:	00000030927
Facility Type:	Other
Other Type:	GOV'T AGENCY
Contact Name:	GERRY DALMAN
Telephone:	7147877389
Owner Name:	CITY OF RIVERSIDE
Owner Address:	3900 MAIN ST.
Owner City,St,Zip:	RIVERSIDE, CA 92522
Total Tanks:	0001
Tank Num:	001
Container Num:	9-1
Year Installed:	Not reported
Tank Capacity:	00000250
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

I30 NNW 1/8-1/4 0.186 mi. 981 ft. **MULBERRY YARD** **LUST** **U001576524**
3880 MULBERRY **HIST UST** **N/A**
RIVERSIDE, CA 92507 **HIST CORTESE**

Site 3 of 4 in cluster I

Relative: Higher
Actual: 880 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500112
Global Id:	T0606500112
Latitude:	33.9790950748862
Longitude:	-117.369745888187
Status:	Completed - Case Closed
Status Date:	03/08/1991
Case Worker:	SCB

MULBERRY YARD (Continued) **U001576524**

RB Case Number: 083301172T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 89150
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500112
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0606500112
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:
Global Id: T0606500112
Action Type: ENFORCEMENT
Date: 03/07/1991
Action: File review - #RCDEH Upload Site File 10/28/2015

Global Id: T0606500112
Action Type: ENFORCEMENT
Date: 03/08/1991
Action: Closure/No Further Action Letter - #RCDEH0308

Global Id: T0606500112
Action Type: REMEDIATION
Date: 03/06/1991
Action: Excavation

Global Id: T0606500112
Action Type: Other
Date: 11/07/1988
Action: Leak Reported

LUST:
Global Id: T0606500112
Status: Open - Case Begin Date
Status Date: 11/07/1988

Global Id: T0606500112
Status: Open - Site Assessment
Status Date: 11/07/1988

MULBERRY YARD (Continued) **U001576524**

Global Id:	T0606500112
Status:	Open - Site Assessment
Status Date:	08/23/1989
Global Id:	T0606500112
Status:	Open - Remediation
Status Date:	03/06/1991
Global Id:	T0606500112
Status:	Completed - Case Closed
Status Date:	03/08/1991

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083301172T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Unleaded Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	10TH
Enf Type:	CLOS
Funding:	State Funds
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500112
How Stopped Date:	10/28/1988
Enter Date:	3/8/1989
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/4/1988
Enforcement Date:	Not reported
Close Date:	3/8/1991
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	3/9/1989
Date Remediation Plan Submitted:	9/12/1989
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/8/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9733432
Longitude:	-117.3738081
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported

MULBERRY YARD (Continued) **U001576524**

MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	07/31/89- PROPOSED PLAN FOR ASSESSMENT AND REMEDIATION ACCEPTED

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	89150
Employee:	Rogers
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

HIST UST:

File Number:	0001F53D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F53D.pdf
Region:	STATE
Facility ID:	00000030900
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	MEL ABEYTA
Telephone:	7147877561
Owner Name:	CITY OF RIVERSIDE
Owner Address:	3900 MAIN ST.
Owner City,St,Zip:	RIVERSIDE, CA 92522
Total Tanks:	0003
Tank Num:	001
Container Num:	2-1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2-2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

MULBERRY YARD (Continued) **U001576524**

Tank Num: 003
Container Num: 2-3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

HIST CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083301172T

I31 **MULBERRY YARD** **LUST** **S101307994**
NNW **3870 MULBERRY ST** **HIST CORTESE** **N/A**
1/8-1/4 **RIVERSIDE, CA 92501**
0.187 mi.
986 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
880 ft.

LUST:
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500245
Global Id: T0606500245
Latitude: 33.9787077299525
Longitude: -117.369355361871
Status: Completed - Case Closed
Status Date: 04/29/1996
Case Worker: SCB
RB Case Number: 083301910T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 91906
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500245
Contact Type: Regional Board Caseworker
Contact Name: KAMRON SAREMI
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: ksaremi@waterboards.ca.gov
Phone Number: 9517824303

Global Id: T0606500245
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org

MULBERRY YARD (Continued) **S101307994**

Phone Number: 9519558980

LUST:
Global Id: T0606500245
Action Type: ENFORCEMENT
Date: 04/29/1996
Action: Closure/No Further Action Letter

Global Id: T0606500245
Action Type: Other
Date: 09/27/1991
Action: Leak Discovery

Global Id: T0606500245
Action Type: Other
Date: 07/16/1991
Action: Leak Stopped

Global Id: T0606500245
Action Type: Other
Date: 09/27/1991
Action: Leak Reported

Global Id: T0606500245
Action Type: REMEDIATION
Date: 12/10/1991
Action: Excavation

Global Id: T0606500245
Action Type: ENFORCEMENT
Date: 04/28/1996
Action: File review - #RCDEH Upload Site File 9/25/2015

LUST:
Global Id: T0606500245
Status: Open - Case Begin Date
Status Date: 07/16/1991

Global Id: T0606500245
Status: Open - Site Assessment
Status Date: 09/27/1991

Global Id: T0606500245
Status: Open - Remediation
Status Date: 12/10/1991

Global Id: T0606500245
Status: Completed - Case Closed
Status Date: 04/29/1996

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed

MULBERRY YARD (Continued) **S101307994**

Case Number:	083301910T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	UNIVERSITY
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500245
How Stopped Date:	7/16/1991
Enter Date:	7/24/1991
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/27/1991
Enforcement Date:	Not reported
Close Date:	4/29/1996
Date Prelim Assessment Workplan Submitted:	9/27/1991
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/24/1991
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9733602
Longitude:	-117.3737971
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	KS
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	91906
Employee:	Boltinghous-LOP

MULBERRY YARD (Continued) **S101307994**

Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed
Casetype Decode: Soil only is impacted
Fstatus Decode: Closed/Action completed

HIST CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083301910T

H32 **FMC CORP** **HIST UST** **U001576505**
SW **4430 COMMERCE ST** **CHMIRS** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507** **EMI**
0.189 mi.
997 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
876 ft.

HIST UST:
File Number: 0001F68F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F68F.pdf
Region: STATE
Facility ID: 00000007395
Facility Type: Other
Other Type: WAX MIXING
Contact Name: E. S. ROMO
Telephone: 7143594120
Owner Name: FMC CORPORATION
Owner Address: 1540 LINDEN ST.
Owner City,St,Zip: RIVERSIDE, CA 92507
Total Tanks: 0007

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 002
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 003
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4

FMC CORP (Continued) **U001576505**

Leak Detection: None

Tank Num: 004
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: None

Tank Num: 005
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: None

Tank Num: 006
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: None

Tank Num: 007
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 1/4
Leak Detection: None

Click here for Geo Tracker PDF:

CHMIRS:
OES Incident Number: 5-3251
OES notification: 05/31/2005
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported

FMC CORP (Continued) **U001576505**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Santa Ana River
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	City of Riverside
Incident Date:	5/31/200512:00:00 AM
Admin Agency:	Riverside City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Sewage
Gallons:	23,562
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a grease blockage in a sewer line caused the release.
OES Incident Number:	5-3256
OES notification:	05/31/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**

FMC CORP (Continued) **U001576505**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Riverside Sewer Plant
Incident Date:	5/28/200512:00:00 AM
Admin Agency:	Riverside City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	raw sewage
Gallons:	23000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

FMC CORP (Continued) **U001576505**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	grease and rags in sewer line caused blockage and the sewer to overflow

EMI:

Year:	1987
County Code:	33
Air Basin:	SC
Facility ID:	19613
Air District Name:	SC
SIC Code:	2879
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

Year:	1990
County Code:	33
Air Basin:	SC
Facility ID:	19613
Air District Name:	SC
SIC Code:	3535
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

H33 **F M C TECHNOLOGIES INC** **RCRA-SQG** **1000109297**
SW **4430 COMMERCE ST** **CAD008370041**
1/8-1/4 **RIVERSIDE, CA 92507**
0.189 mi.
997 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
876 ft.

RCRA-SQG:

Date form received by agency:	06/19/2001
Facility name:	F M C TECHNOLOGIES INC
Facility address:	4430 COMMERCE ST RIVERSIDE, CA 92507
EPA ID:	CAD008370041
Mailing address:	BOX 5710 RIVERSIDE, CA 92517
Contact:	CHRISTINA CAMPOS
Contact address:	BOX 5710

F M C TECHNOLOGIES INC (Continued) **1000109297**

	RIVERSIDE, CA 92517
Contact country:	US
Contact telephone:	909-222-2300
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:	RICHARD L HOUTZER
Owner/operator address:	BOX 5710
	RIVERSIDE, CA 92517
Owner/operator country:	Not reported
Owner/operator telephone:	909-222-2300
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

F M C TECHNOLOGIES INC (Continued) **1000109297**

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Historical Generators:
Date form received by agency: 09/01/1996
Site name: F M C TECHNOLOGIES INC
Classification: Large Quantity Generator

Violation Status: No violations found

J34
SSW
1/8-1/4
0.209 mi.
1105 ft.

SO CAL GAS CO RIVERSIDE BASE **RCRA-SQG** **1000166486**
4495 HOWARD AVE **CAD981422272**
RIVERSIDE, CA 92504

Site 1 of 4 in cluster J

Relative:
Higher

Actual:
880 ft.

RCRA-SQG:
Date form received by agency: 06/23/1986
Facility name: SO CAL GAS CO RIVERSIDE BASE
Facility address: 4495 HOWARD AVE
RIVERSIDE, CA 92504
EPA ID: CAD981422272
Mailing address: PO BOX 3249 TERMINAL ANNEX
LOS ANGELES, CA 90051
Contact: ENVIRONMENTAL MANAGER
Contact address: 4495 HOWARD AVE
RIVERSIDE, CA 92504
Contact country: US
Contact telephone: 213-289-3075
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: SO CA GAS CO
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported

SO CAL GAS CO RIVERSIDE BASE (Continued) **1000166486**

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

J35 **RIVERSIDE** **HIST UST** **U001576531**
SSW **4495 HOWARD AVE** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.209 mi.
1105 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
880 ft.

HIST UST:

File Number:	0001F99B
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F99B.pdf
Region:	STATE
Facility ID:	00000007463
Facility Type:	Other
Other Type:	PUBLIC UTILITY
Contact Name:	JERRY PARKER
Telephone:	7147816123
Owner Name:	SOUTHERN CALIF. GAS COMPANY
Owner Address:	BOX 3249 TERMINAL ANNEX

RIVERSIDE (Continued) **U001576531**

Owner City,St,Zip: LOS ANGELES, CA 90051
Total Tanks: 0001

Tank Num: 001
Container Num: DEAU102
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: 5
Container Construction Thickness: 12.
Leak Detection: None

Click here for Geo Tracker PDF:

J36 SSW 1/8-1/4 0.209 mi. 1105 ft. **SOUTHERN CAL GAS - RIVERSIDE** **SWEEPS UST** **S101590008**
4495 HOWARD AVE **CA FID UST** **N/A**
RIVERSIDE, CA 92507

Site 3 of 4 in cluster J

Relative: Higher
Actual: 880 ft.

SWEEPS UST:
Status: Active
Comp Number: 7462
Number: 1
Board Of Equalization: 44-011410
Referral Date: 11-19-92
Action Date: 11-19-92
Created Date: 05-10-89
Owner Tank Id: DEAV104
SWRCB Tank Id: 33-000-007462-000001
Tank Status: A
Capacity: 12000
Active Date: 11-19-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 7462
Number: 1
Board Of Equalization: 44-011410
Referral Date: 11-19-92
Action Date: 11-19-92
Created Date: 05-10-89
Owner Tank Id: DEAV101
SWRCB Tank Id: 33-000-007462-000002
Tank Status: A
Capacity: 12000
Active Date: 11-19-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 33002307

SOUTHERN CAL GAS - RIVERSIDE (Continued) **S101590008**

Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7143357817
Mail To:	Not reported
Mailing Address:	P O BOX 3003 ML 8042
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 925075534
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

J37 **SOUTHERN CALIFORNIA GAS COMPANY** **UST** **U002244910**
SSW **4495 HOWARD AVE** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.209 mi.
1105 ft. **Site 4 of 4 in cluster J**

Relative:
Higher
Actual:
880 ft.

UST:

Facility ID:	FA0014672
Permitting Agency:	Riverside County Department of Environmental Health
Latitude:	33.9719
Longitude:	-117.3706

Facility ID:	709
Permitting Agency:	RIVERSIDE COUNTY
Latitude:	33.97109
Longitude:	-117.37067

RIVERSIDE CO. UST:

Region:	RIVERSIDE
Total Tanks:	2

K38 **KEN'S ARCO** **LUST** **U001576488**
ENE **2871 UNIVERSITY AVENUE** **HIST UST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.219 mi.
1154 ft. **Site 1 of 2 in cluster K**

Relative:
Higher
Actual:
892 ft.

LUST:

Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500625
Global Id:	T0606500625
Latitude:	33.977510723
Longitude:	-117.364335
Status:	Completed - Case Closed
Status Date:	06/24/2011
Case Worker:	VJB
RB Case Number:	083303624T
Local Agency:	Not reported

KEN'S ARCO (Continued) **U001576488**

File Location: Not reported
Local Case Number: 9915805
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Historic VES completed. CSB results suggest vadose zone mitigation effective. Only limited/low-level GW impacts observed hisorically. Case closure to be issued pending notification/well abandonment documentation

LUST:
Global Id: T0606500625
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:
Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 03/02/2011
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 06/24/2011
Action: Closure/No Further Action Letter

Global Id: T0606500625
Action Type: RESPONSE
Date: 07/30/2004
Action: Other Report / Document

Global Id: T0606500625
Action Type: RESPONSE
Date: 10/30/2004
Action: Soil and Water Investigation Workplan

Global Id: T0606500625
Action Type: RESPONSE
Date: 07/23/2004
Action: Other Report / Document

Global Id: T0606500625
Action Type: RESPONSE
Date: 06/11/2008
Action: Monitoring Report - Quarterly

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 11/08/2005
Action: Staff Letter

Global Id: T0606500625
Action Type: ENFORCEMENT

KEN'S ARCO (Continued) **U001576488**

Date: 08/16/2010
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 11/17/2005
Action: Staff Letter

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 09/18/2007
Action: Staff Letter

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 09/10/2007
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 06/26/2007
Action: File review

Global Id: T0606500625
Action Type: RESPONSE
Date: 03/28/2011
Action: Other Report / Document

Global Id: T0606500625
Action Type: RESPONSE
Date: 01/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0606500625
Action Type: RESPONSE
Date: 01/30/2008
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: RESPONSE
Date: 04/30/2007
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 05/02/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500625
Action Type: RESPONSE
Date: 08/15/2007
Action: Soil and Water Investigation Workplan

Global Id: T0606500625
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

KEN'S ARCO (Continued) **U001576488**

Global Id: T0606500625
Action Type: RESPONSE
Date: 07/30/2007
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 06/16/2008
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/01/2008
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/01/2008
Action: Meeting

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 06/24/2008
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/31/2007
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 11/01/2004
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500625
Action Type: RESPONSE
Date: 09/16/2005
Action: Soil and Water Investigation Report

Global Id: T0606500625
Action Type: RESPONSE
Date: 10/07/2005
Action: Other Workplan

Global Id: T0606500625
Action Type: RESPONSE
Date: 10/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0606500625
Action Type: RESPONSE
Date: 06/30/2009
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: ENFORCEMENT

KEN'S ARCO (Continued) **U001576488**

Date: 10/21/2005
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 10/30/2004
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/30/2004
Action: Meeting

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 09/01/2004
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/12/2004
Action: * Verbal Communication

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 05/10/2005
Action: Staff Letter

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 01/31/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 12/08/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 04/19/2007
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 10/16/2007
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 01/29/2008
Action: File review

Global Id: T0606500625
Action Type: RESPONSE
Date: 04/26/2010
Action: Correspondence

KEN'S ARCO (Continued) **U001576488**

Global Id: T0606500625
Action Type: RESPONSE
Date: 05/30/2005
Action: Soil and Water Investigation Report

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 02/24/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 09/24/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 04/07/2007
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 02/08/2007
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 09/25/2007
Action: Verbal Communication

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 11/15/2005
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 03/09/2006
Action: File review

Global Id: T0606500625
Action Type: RESPONSE
Date: 07/30/2004
Action: Preliminary Site Assessment Workplan

Global Id: T0606500625
Action Type: RESPONSE
Date: 11/10/2005
Action: Other Report / Document

Global Id: T0606500625
Action Type: RESPONSE
Date: 08/21/2009
Action: Soil and Water Investigation Workplan

Global Id: T0606500625
Action Type: RESPONSE

KEN'S ARCO (Continued) **U001576488**

Date: 01/31/2009
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: Other
Date: 11/15/1999
Action: Leak Discovery

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 01/10/2011
Action: File review

Global Id: T0606500625
Action Type: RESPONSE
Date: 10/30/2004
Action: Soil and Water Investigation Workplan

Global Id: T0606500625
Action Type: RESPONSE
Date: 11/01/2004
Action: Other Report / Document

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/07/2005
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 10/26/2005
Action: Staff Letter

Global Id: T0606500625
Action Type: RESPONSE
Date: 10/30/2008
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 08/02/2004
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/23/2004
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/16/2009
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 04/09/2009
Action: File review

KEN'S ARCO (Continued) **U001576488**

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 11/01/2004
Action: Staff Letter

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 01/10/2007
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 05/31/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 08/19/2009
Action: Meeting

Global Id: T0606500625
Action Type: RESPONSE
Date: 05/30/2011
Action: Well Destruction Report

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 11/09/2005
Action: * Verbal Communication

Global Id: T0606500625
Action Type: RESPONSE
Date: 01/31/2007
Action: Remedial Progress Report

Global Id: T0606500625
Action Type: REMEDIATION
Date: 09/01/2006
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 12/01/2008
Action: Verbal Enforcement

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 08/24/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500625
Action Type: Other
Date: 07/06/1999
Action: Leak Stopped

Global Id: T0606500625
Action Type: ENFORCEMENT

KEN'S ARCO (Continued) **U001576488**

Date: 12/09/2010
Action: Notification - Public Notice of Case Closure

Global Id: T0606500625
Action Type: Other
Date: 11/15/1999
Action: Leak Reported

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 07/29/2004
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 10/19/2005
Action: File review

Global Id: T0606500625
Action Type: RESPONSE
Date: 08/31/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0606500625
Action Type: RESPONSE
Date: 09/01/2005
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0606500625
Action Type: RESPONSE
Date: 09/01/2005
Action: CAP/RAP - Feasibility Study Report

Global Id: T0606500625
Action Type: RESPONSE
Date: 09/01/2005
Action: Other Workplan

Global Id: T0606500625
Action Type: RESPONSE
Date: 11/08/2005
Action: Other Report / Document

Global Id: T0606500625
Action Type: RESPONSE
Date: 01/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 10/25/2005
Action: File review

Global Id: T0606500625
Action Type: ENFORCEMENT
Date: 03/16/2008
Action: Verbal Enforcement

KEN'S ARCO (Continued) **U001576488**

LUST:

Global Id:	T0606500625
Status:	Open - Case Begin Date
Status Date:	07/06/1999
Global Id:	T0606500625
Status:	Open - Site Assessment
Status Date:	11/15/1999
Global Id:	T0606500625
Status:	Open - Site Assessment
Status Date:	07/12/2004
Global Id:	T0606500625
Status:	Open - Site Assessment
Status Date:	09/01/2004
Global Id:	T0606500625
Status:	Open - Remediation
Status Date:	09/01/2005
Global Id:	T0606500625
Status:	Open - Site Assessment
Status Date:	09/16/2005
Global Id:	T0606500625
Status:	Open - Remediation
Status Date:	01/31/2007
Global Id:	T0606500625
Status:	Open - Remediation
Status Date:	05/11/2007
Global Id:	T0606500625
Status:	Open - Remediation
Status Date:	07/30/2007
Global Id:	T0606500625
Status:	Open - Site Assessment
Status Date:	08/06/2007
Global Id:	T0606500625
Status:	Open - Remediation
Status Date:	01/25/2008
Global Id:	T0606500625
Status:	Open - Verification Monitoring
Status Date:	01/25/2008
Global Id:	T0606500625
Status:	Completed - Case Closed
Status Date:	06/24/2011

RIVERSIDE CO. LUST:

Region:	RIVERSIDE

KEN'S ARCO (Continued) **U001576488**

Facility ID:	9915805
Employee:	Boltinghous-LOP
Site Closed:	Referred to Water Board
Case Type:	Soil only
Facility Status:	0
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Not reported

HIST UST:

File Number:	0001F43A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F43A.pdf
Region:	STATE
Facility ID:	00000035592
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	KHAILAIZADEH
Telephone:	7147884651
Owner Name:	BLACK GOLD OIL COMPANY
Owner Address:	1194 E. HOLT BLVD
Owner City,St,Zip:	ONTARIO, CA 91761
Total Tanks:	0003

Tank Num:	001
Container Num:	140-3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	140-2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	140-1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

K39 ENE 1/8-1/4 0.219 mi. 1154 ft.

BLACK GOLD
2871 UNIVERSITY AVE
RIVERSIDE, CA 92507

Site 2 of 2 in cluster K

LUST
SWEEPS UST
CA FID UST
HIST CORTESE

S101629959
N/A

Relative: Higher

Actual: 892 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment workplan submitted
Case Number:	083303624T
Local Case Num:	9915805
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	PARK AVENUE
Enf Type:	TPA
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500625
How Stopped Date:	7/6/1999
Enter Date:	2/2/2000
Date Confirmation of Leak Began:	11/15/1999
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/15/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	7/12/2004
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	2/2/2000
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.97703
Longitude:	-117.36426
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	SCB
Lead Agency:	Regional Board
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	AGR, GWR, PROC, IND, MUN

BLACK GOLD (Continued) **S101629959**

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Summary: Not reported

SWEEPS UST:

Status: Active
Comp Number: 35592
Number: 1
Board Of Equalization: 44-018192
Referral Date: 06-03-93
Action Date: 06-03-93
Created Date: 02-29-88
Owner Tank Id: 000187
SWRCB Tank Id: 33-000-035592-000001
Tank Status: A
Capacity: 10000
Active Date: 06-03-93
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 35592
Number: 1
Board Of Equalization: 44-018192
Referral Date: 06-03-93
Action Date: 06-03-93
Created Date: 02-29-88
Owner Tank Id: 000187
SWRCB Tank Id: 33-000-035592-000002
Tank Status: A
Capacity: 10000
Active Date: 06-03-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 35592
Number: 1
Board Of Equalization: 44-018192
Referral Date: 06-03-93
Action Date: 06-03-93
Created Date: 02-29-88
Owner Tank Id: 000187
SWRCB Tank Id: 33-000-035592-000003
Tank Status: A
Capacity: 10000
Active Date: 06-03-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

BLACK GOLD (Continued) **S101629959**

CA FID UST:

Facility ID:	33007003
Regulated By:	UTNKA
Regulated ID:	00035592
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147884651
Mail To:	Not reported
Mailing Address:	P O BOX 3758
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92507
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083303624T

L40 **BUBBLE MACHINE CAR WASH** **UST** **U003111736**
WSW **3304 14TH ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92501**
0.226 mi.
1195 ft. **Site 1 of 6 in cluster L**

Relative:
Lower
Actual:
863 ft.

UST:

Facility ID:	FA0014090
Permitting Agency:	Riverside County Department of Environmental Health
Latitude:	33.97382
Longitude:	-117.37423

RIVERSIDE CO. UST:

Region:	RIVERSIDE
Total Tanks:	3

L41 **IMPERIAL STATIONS, INC. #3** **UST** **U003886097**
WSW **3315 14TH ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92501**
0.229 mi.
1211 ft. **Site 2 of 6 in cluster L**

Relative:
Lower
Actual:
863 ft.

UST:

Facility ID:	515
Permitting Agency:	RIVERSIDE COUNTY
Latitude:	33.975898
Longitude:	-117.372476

Facility ID:	FA0014434
Permitting Agency:	Riverside County Department of Environmental Health

IMPERIAL STATIONS, INC. #3 (Continued) **U003886097**

Latitude: 33.97455
Longitude: -117.37383

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 4

L42 WSW 1/8-1/4 0.229 mi. 1211 ft. | **MOBIL #18-D3H** | **LUST** | **S101590086**
3315 14TH ST | **SWEEPS UST** | **N/A**
RIVERSIDE, CA 92501 | **CA FID UST**
HIST CORTESE
Site 3 of 6 in cluster L

Relative: Lower
Actual: 863 ft.

LUST:
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500480
Global Id: T0606500480
Latitude: 33.9743132
Longitude: -117.3739591
Status: Completed - Case Closed
Status Date: 01/25/2008
Case Worker: SCB
RB Case Number: 083302925T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency
Local Case Number: 961023
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500480
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0606500480
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:
Global Id: T0606500480
Action Type: ENFORCEMENT
Date: 04/05/2007
Action: Staff Letter - #1

Global Id: T0606500480

MOBIL #18-D3H (Continued) **S101590086**

Action Type: RESPONSE
Date: 04/20/2007
Action: Other Report / Document

Global Id: T0606500480
Action Type: Other
Date: 09/24/1996
Action: Leak Discovery

Global Id: T0606500480
Action Type: REMEDIATION
Date: 07/01/2004
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500480
Action Type: ENFORCEMENT
Date: 01/25/2008
Action: Closure/No Further Action Letter - #RCDEH012508

Global Id: T0606500480
Action Type: ENFORCEMENT
Date: 05/21/2007
Action: Technical Correspondence / Assistance / Other - #RCDEH -52107

Global Id: T0606500480
Action Type: ENFORCEMENT
Date: 01/24/2008
Action: File review - #RCDEH uploaded site file

Global Id: T0606500480
Action Type: ENFORCEMENT
Date: 11/19/2007
Action: File review

Global Id: T0606500480
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0606500480
Action Type: Other
Date: 01/01/1988
Action: Leak Stopped

Global Id: T0606500480
Action Type: Other
Date: 10/10/1996
Action: Leak Reported

Global Id: T0606500480
Action Type: RESPONSE
Date: 05/31/2007
Action: Request for Closure

LUST:
Global Id: T0606500480
Status: Open - Case Begin Date

MOBIL #18-D3H (Continued) **S101590086**

Status Date:	01/01/1988
Global Id:	T0606500480
Status:	Open - Site Assessment
Status Date:	09/24/1996
Global Id:	T0606500480
Status:	Open - Site Assessment
Status Date:	10/11/1996
Global Id:	T0606500480
Status:	Open - Remediation
Status Date:	07/01/2004
Global Id:	T0606500480
Status:	Open - Verification Monitoring
Status Date:	07/29/2005
Global Id:	T0606500480
Status:	Open - Verification Monitoring
Status Date:	08/17/2006
Global Id:	T0606500480
Status:	Completed - Case Closed
Status Date:	01/25/2008

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Pollution Characterization
Case Number:	083302925T
Local Case Num:	961023
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	MULBERRY
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Not reported
Global ID:	T0606500480
How Stopped Date:	Not reported
Enter Date:	11/7/1996
Date Confirmation of Leak Began:	9/24/1996
Date Preliminary Assessment Began:	Not reported
Discover Date:	9/24/1996
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	7/20/1999
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported

MOBIL #18-D3H (Continued) **S101590086**

Date Post Remedial Action Monitoring:	Not reported
Enter Date:	11/7/1996
GW Qualifies:	=
Soil Qualifies:	ND
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9743132
Longitude:	-117.3739591
MTBE Date:	2/13/2004
Max MTBE GW:	1100
MTBE Concentration:	1
Max MTBE Soil:	5
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	B
Staff:	RS
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	GROUNDWATER ENCOUNTER AT 92 FT., NO GW SAMPLE COLLECTED.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	961023
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Drinking Water Aquifer affected
Facility Status:	closed/action completed
Casetype Decode:	An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode:	Closed/Action completed

SWEEPS UST:

Status:	Active
Comp Number:	39275
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	02-29-88
Owner Tank Id:	18D3HUL-12DW88
SWRCB Tank Id:	33-000-039275-000001
Tank Status:	A
Capacity:	12000
Active Date:	11-17-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

MOBIL #18-D3H (Continued) **S101590086**

Status:	Active
Comp Number:	39275
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	02-29-88
Owner Tank Id:	18D3HRG-10DW88
SWRCB Tank Id:	33-000-039275-000002
Tank Status:	A
Capacity:	10000
Active Date:	11-17-92
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	39275
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	02-29-88
Owner Tank Id:	18D3HUL-10DW88
SWRCB Tank Id:	33-000-039275-000003
Tank Status:	A
Capacity:	10000
Active Date:	11-17-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	39275
Number:	1
Board Of Equalization:	44-000400
Referral Date:	11-17-92
Action Date:	11-17-92
Created Date:	02-29-88
Owner Tank Id:	18D3HWO-1000DW
SWRCB Tank Id:	33-000-039275-000004
Tank Status:	A
Capacity:	1000
Active Date:	11-17-92
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	33003825
Regulated By:	UTNKA
Regulated ID:	00039275
Cortese Code:	Not reported
SIC Code:	Not reported

MOBIL #18-D3H (Continued) **S101590086**

Facility Phone:	7146828444
Mail To:	Not reported
Mailing Address:	3225 GALLOWS RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92501
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083302925T

L43
WSW
1/8-1/4
0.229 mi.
1211 ft.

LIM JOO KWANG **HIST UST** **U001576278**
3315 14TH STREET **N/A**
RIVERSIDE, CA 92501

Site 4 of 6 in cluster L

Relative:
Lower

Actual:
863 ft.

HIST UST:

File Number:	0001F801
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F801.pdf
Region:	STATE
Facility ID:	00000039275
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	7146828444
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 S. FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

LIM JOO KWANG (Continued) **U001576278**

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

M44 **RIVERSIDE CO AGRI COMM** **RCRA NonGen / NLR** **1000218307**
North **3133 7TH ST** **FINDS** **CAD000775643**
1/8-1/4 **RIVERSIDE, CA 92501** **ECHO**
0.241 mi.
1275 ft. **Site 1 of 3 in cluster M**

Relative:
Higher

Actual:
870 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/27/1980
Facility name:	RIVERSIDE CO AGRI COMM
Facility address:	3133 7TH ST RIVERSIDE, CA 92501
EPA ID:	CAD000775643
Mailing address:	4080 LEMON ST RM NINETEEN RIVERSIDE, CA 92501
Contact:	ENVIRONMENTAL MANAGER
Contact address:	3133 7TH ST RIVERSIDE, CA 92501
Contact country:	US
Contact telephone:	714-787-2561
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:	RIVERSIDE AGR COMM
Owner/operator address:	4080 LEMON ST RM 19 CITY NOT REPORTED, CA 99999
Owner/operator country:	Not reported
Owner/operator telephone:	714-787-2561
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	County
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

RIVERSIDE CO AGRI COMM (Continued) **1000218307**

Owner/operator name: RIVERSIDE AGR COMM
Owner/operator address: 4080 LEMON ST RM 19
RIVERSIDE, CA 92501
Owner/operator country: Not reported
Owner/operator telephone: 714-787-2561
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: County
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

FINDS:

Registry ID: 110002628791

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: 1000218307
Registry ID: 110002628791
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002628791

45 NW 1/8-1/4 0.243 mi. 1283 ft. | **BROWNS AUTOMOTIVE**
3390 UNIVERSITY AVENUE
RIVERSIDE, CA | **SLIC** | **S105181581**
N/A

Relative: Higher
Actual: 872 ft.

SLIC REG 8:

Type:	Soil
Facility Status:	Initial Investigation Underway
Staff:	Kamron Saremi, Tel 909-782-4303, SLIC
Substance:	PCE
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

M46 North 1/4-1/2 0.251 mi. 1326 ft. | **3093 7TH STREET**
3093 7TH STREET
RIVERSIDE, CA 92507
Site 2 of 3 in cluster M | **US BROWNFIELDS FINDS** | **1016345329**
N/A

Relative: Higher
Actual: 871 ft.

US BROWNFIELDS:

Property Name:	3093 7TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-072-002
Parcel size:	.42
Latitude:	33.98
Longitude:	-117.367
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15986
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Lynnette and Jerry Davis, Jr.
Did Owner Change:	Not reported
Cleanup Required:	Not reported

3093 7TH STREET (Continued) **1016345329**

Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported

3093 7TH STREET (Continued) **1016345329**

Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1852
Below Poverty Percent:	31.9%
Meidan Income:	9607
Meidan Income Number:	3521
Meidan Income Percent:	60.7%
Vacant Housing Number:	216
Vacant Housing Percent:	14.0%
Unemployed Number:	383
Unemployed Percent:	6.6%

FINDS:

Registry ID: 110038693660

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

L47 WSW 1/4-1/2 0.252 mi. 1333 ft. | **CHEVRON #96984**
3304 14TH ST
RIVERSIDE, CA 92501

Site 5 of 6 in cluster L

LUST | **S105035908**
N/A

Relative: Lower

Actual: 863 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment underway
Case Number:	083303692T
Local Case Num:	200016217
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	91 FWY AND MULBERRY ST
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606599140
How Stopped Date:	2/22/2000
Enter Date:	5/24/2000
Date Confirmation of Leak Began:	4/11/2000
Date Preliminary Assessment Began:	4/28/2000
Discover Date:	4/11/2000
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	5/24/2000
GW Qualifies:	=
Soil Qualifies:	ND
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.973961
Longitude:	-117.373956
MTBE Date:	9/21/2001
Max MTBE GW:	34000
MTBE Concentration:	0
Max MTBE Soil:	0
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported

CHEVRON #96984 (Continued) **S105035908**

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Summary: Site assessment report submitted on November 15, 2000.

L48 WSW 1/4-1/2 0.252 mi. 1333 ft. | **CHEVRON 96984** | **3304 14TH ST** | **RIVERSIDE, CA 92501** | **LUST** | **SWEEPS UST** | **HIST UST** | **U001576264** | **N/A**

Site 6 of 6 in cluster L

Relative: Lower

Actual: 863 ft.

LUST:
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606599140
Global Id: T0606599140
Latitude: 33.973961
Longitude: -117.373956
Status: Completed - Case Closed
Status Date: 09/22/2008
Case Worker: SCB
RB Case Number: 083303692T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency
Local Case Number: 200016217
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606599140
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

Global Id: T0606599140
Contact Type: Regional Board Caseworker
Contact Name: TOM E. MBEKE-EKANEM
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: tmbeke-ekanem@waterboards.ca.gov
Phone Number: 9513202007

LUST:
Global Id: T0606599140
Action Type: ENFORCEMENT
Date: 03/27/2007
Action: Technical Correspondence / Assistance / Other - #RCDEH 032807

Global Id: T0606599140
Action Type: RESPONSE
Date: 05/30/2008
Action: Unknown

CHEVRON 96984 (Continued) **U001576264**

Global Id: T0606599140
Action Type: REMEDIATION
Date: 01/28/2004
Action: Soil Vapor Extraction (SVE)

Global Id: T0606599140
Action Type: RESPONSE
Date: 04/27/2007
Action: Request for Closure

Global Id: T0606599140
Action Type: ENFORCEMENT
Date: 03/19/2008
Action: Staff Letter - #RCDEH031908

Global Id: T0606599140
Action Type: Other
Date: 04/11/2000
Action: Leak Discovery

Global Id: T0606599140
Action Type: ENFORCEMENT
Date: 03/13/2008
Action: LOP Case Closure Summary to RB

Global Id: T0606599140
Action Type: ENFORCEMENT
Date: 05/06/2008
Action: Staff Letter - #RCDEH050608

Global Id: T0606599140
Action Type: ENFORCEMENT
Date: 09/19/2008
Action: Closure/No Further Action Letter - #RCDEH 09-19-08

Global Id: T0606599140
Action Type: Other
Date: 02/22/2000
Action: Leak Stopped

Global Id: T0606599140
Action Type: Other
Date: 04/11/2000
Action: Leak Reported

LUST:
Global Id: T0606599140
Status: Open - Case Begin Date
Status Date: 02/22/2000

Global Id: T0606599140
Status: Open - Site Assessment
Status Date: 04/11/2000

Global Id: T0606599140
Status: Open - Site Assessment
Status Date: 04/28/2000

CHEVRON 96984 (Continued) **U001576264**

Global Id: T0606599140
Status: Open - Remediation
Status Date: 01/28/2004

Global Id: T0606599140
Status: Open - Verification Monitoring
Status Date: 04/24/2006

Global Id: T0606599140
Status: Completed - Case Closed
Status Date: 09/22/2008

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 200016217
Employee: Boltinghous-LOP
Site Closed: Yes
Case Type: Drinking Water Aquifer affected
Facility Status: closed/action completed
Casetype Decode: An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode: Closed/Action completed

SWEEPS UST:
Status: Active
Comp Number: 62943
Number: 1
Board Of Equalization: 44-018446
Referral Date: 02-28-94
Action Date: 04-21-94
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 33-000-062943-000001
Tank Status: A
Capacity: 10000
Active Date: 02-28-94
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 62943
Number: 1
Board Of Equalization: 44-018446
Referral Date: 02-28-94
Action Date: 04-21-94
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 33-000-062943-000002
Tank Status: A
Capacity: 10000
Active Date: 02-28-94
Tank Use: M.V. FUEL
STG: P
Content: LEADED

CHEVRON 96984 (Continued) **U001576264**

Number Of Tanks: Not reported

Status: Active
Comp Number: 62943
Number: 1
Board Of Equalization: 44-018446
Referral Date: 02-28-94
Action Date: 04-21-94
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 33-000-062943-000003
Tank Status: A
Capacity: 6000
Active Date: 02-28-94
Tank Use: M.V. FUEL
STG: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

HIST UST:
File Number: 0001F4E5
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F4E5.pdf
Region: STATE
Facility ID: 00000057387
Facility Type: Other
Other Type: CAR WASH
Contact Name: EARL MILLEKER
Telephone: 7146845560
Owner Name: CHEVRON U.S.A. INC. OPERATIONS
Owner Address: P.O. BOX 2833
Owner City,St,Zip: LA HABRA, CA 90631
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

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49 **14TH ST GARAGE** **RCRA-SQG** **1000238608**
South **2748 14TH ST** **LUST** **CAD982407306**
1/4-1/2 **RIVERSIDE, CA 92507** **FINDS**
0.281 mi. **ECHO**
1483 ft. **HIST CORTESE**

Relative:
Higher

Actual:
897 ft.

RCRA-SQG:
Date form received by agency: 03/31/1988
Facility name: 14TH ST GARAGE
Facility address: 2748 14TH ST
RIVERSIDE, CA 92507
EPA ID: CAD982407306
Mailing address: FOURTEEN ST

14TH ST GARAGE (Continued) **1000238608**

	RIVERSIDE, CA 92507
Contact:	ENVIRONMENTAL MANAGER
Contact address:	2748 FOURTEEN ST RIVERSIDE, CA 92507
Contact country:	US
Contact telephone:	714-781-9906
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:	J F DAVIDSON ASSOS
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

14TH ST GARAGE (Continued) **1000238608**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500278
Global Id: T0606500278
Latitude: 33.9704656566909
Longitude: -117.36663878158
Status: Completed - Case Closed
Status Date: 02/10/1993
Case Worker: SCB
RB Case Number: 083302092T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 92578
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500278
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

Global Id: T0606500278
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:
Global Id: T0606500278
Action Type: ENFORCEMENT
Date: 02/10/1993
Action: Closure/No Further Action Letter - #Riv Co Closure

Global Id: T0606500278
Action Type: ENFORCEMENT
Date: 02/09/1993
Action: File review - #RCDEH site file

Global Id: T0606500278
Action Type: Other
Date: 05/28/1992
Action: Leak Discovery

14TH ST GARAGE (Continued) **1000238608**

Global Id:	T0606500278
Action Type:	Other
Date:	05/28/1992
Action:	Leak Stopped
Global Id:	T0606500278
Action Type:	Other
Date:	06/23/1992
Action:	Leak Reported

LUST:

Global Id:	T0606500278
Status:	Open - Case Begin Date
Status Date:	05/28/1992
Global Id:	T0606500278
Status:	Completed - Case Closed
Status Date:	02/10/1993

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083302092T
Local Case Num:	92578
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	FOREST
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Tank
Global ID:	T0606500278
How Stopped Date:	5/28/1992
Enter Date:	7/20/1992
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/28/1992
Enforcement Date:	Not reported
Close Date:	2/10/1993
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/20/1992
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported

14TH ST GARAGE (Continued) **1000238608**

Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9704484
Longitude:	-117.3663688
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	92578
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

FINDS:

Registry ID: 110002805563

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:	1000238608
Registry ID:	110002805563
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002805563

HIST CORTESE:

Region: CORTESE

14TH ST GARAGE (Continued) **1000238608**

Facility County Code: 33
Reg By: LTNKA
Reg Id: 083302092T

M50 **SLAMAL PROPERTY (VACANT LOT)** **LUST** **S101307997**
North **3663 VINE STREET** **HIST CORTESE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.283 mi.
1495 ft. **Site 3 of 3 in cluster M**

Relative:
Higher

Actual:
879 ft.

LUST:
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500218
Global Id: T0606500218
Latitude: 33.9807306449686
Longitude: -117.368351170639
Status: Completed - Case Closed
Status Date: 01/29/1997
Case Worker: SCB
RB Case Number: 083301728T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 90944
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: Not reported

LUST:
Global Id: T0606500218
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0606500218
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:
Global Id: T0606500218
Action Type: ENFORCEMENT
Date: 01/28/1997
Action: File review - #RCDEH Upload Site File 10/27/2015

Global Id: T0606500218
Action Type: ENFORCEMENT
Date: 01/29/1997
Action: Closure/No Further Action Letter - #RCDEH0129

SLAMAL PROPERTY (VACANT LOT) (Continued) **S101307997**

Global Id:	T0606500218
Action Type:	Other
Date:	10/05/1990
Action:	Leak Discovery
Global Id:	T0606500218
Action Type:	Other
Date:	10/05/1990
Action:	Leak Stopped
Global Id:	T0606500218
Action Type:	Other
Date:	10/17/1990
Action:	Leak Reported

LUST:

Global Id:	T0606500218
Status:	Open - Case Begin Date
Status Date:	10/05/1990
Global Id:	T0606500218
Status:	Open - Site Assessment
Status Date:	10/17/1990
Global Id:	T0606500218
Status:	Open - Site Assessment
Status Date:	01/28/1992
Global Id:	T0606500218
Status:	Completed - Case Closed
Status Date:	01/29/1997

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083301728T
Local Case Num:	90944
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	6TH
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	Corrosion
Leak Source:	Tank
Global ID:	T0606500218
How Stopped Date:	10/5/1990
Enter Date:	12/17/1990
Date Confirmation of Leak Began:	10/15/1990
Date Preliminary Assessment Began:	2/10/1992

SLAMAL PROPERTY (VACANT LOT) (Continued) **S101307997**

Discover Date:	10/5/1990
Enforcement Date:	Not reported
Close Date:	1/29/1997
Date Prelim Assessment Workplan Submitted:	2/6/1992
Date Pollution Characterization Began:	10/17/1990
Date Remediation Plan Submitted:	7/22/1992
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/17/1990
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9805922
Longitude:	-117.367766
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: ROBERT SLAMAL IS THE CURRENT PROPERTY OWNER. RICHARD BAILEYPREVIOUSLY OWNED THE PROPERTY. THE SITE IS CURRENTLY USED AS A PARKING LOT.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	90944
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301728T

N51 East 1/4-1/2 0.289 mi. 1524 ft. | **USA PETROLEUM COMPANY #240**
2658 UNIVERSITY AVE
RIVERSIDE, CA 92507

Site 1 of 3 in cluster N

SWEEPS UST
CA FID UST
HIST CORTESE

S101619610
N/A

Relative: Higher

Actual: 903 ft.

SWEEPS UST:

Status:	Active
Comp Number:	1982
Number:	1
Board Of Equalization:	44-002179
Referral Date:	06-06-90
Action Date:	06-06-90
Created Date:	02-29-88
Owner Tank Id:	001102
SWRCB Tank Id:	33-000-001982-000001
Tank Status:	A
Capacity:	10000
Active Date:	06-06-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	1982
Number:	1
Board Of Equalization:	44-002179
Referral Date:	06-06-90
Action Date:	06-06-90
Created Date:	02-29-88
Owner Tank Id:	001102
SWRCB Tank Id:	33-000-001982-000002
Tank Status:	A
Capacity:	10000
Active Date:	06-06-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	1982
Number:	1
Board Of Equalization:	44-002179
Referral Date:	06-06-90
Action Date:	06-06-90
Created Date:	02-29-88
Owner Tank Id:	001102
SWRCB Tank Id:	33-000-001982-000003
Tank Status:	A
Capacity:	10000
Active Date:	06-06-90
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

USA PETROLEUM COMPANY #240 (Continued) **S101619610**

CA FID UST:

Facility ID:	33000295
Regulated By:	UTNKA
Regulated ID:	00001982
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2133945050
Mail To:	Not reported
Mailing Address:	P O BOX 1839
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92507
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301863T

N52 **USA GASOLINE #240** **LUST** **S103647943**
East **2658 UNIVERSITY AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.289 mi.
1524 ft. **Site 2 of 3 in cluster N**

Relative:
Higher

Actual:
903 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500237
Global Id:	T0606500237
Latitude:	33.9760987147417
Longitude:	-117.362480163574
Status:	Completed - Case Closed
Status Date:	08/18/2010
Case Worker:	AB
RB Case Number:	083301863T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency
Local Case Number:	91354
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	During 1990, USA Station No. 240 records showed a gasoline inventory discrepancy sufficient to prompt exploratory maintenance of a suspected product line leak. USA maintenance personnel subsequently discovered and repaired a leak in a gasket immediately above one of the turbine pumps on one of the underground fuel storage tanks (USTs). In December 1990, a site assessment was conducted that consisted of drilling and installing three (3) groundwater monitoring wells (MW-2-P through MW-4-P) and one (I) vadose zone monitoring well (MW-1-P). Soil samples collected from MW-1-P, located near the presumed source of the gasoline leak, contained high concentration of

USA GASOLINE #240 (Continued) **S103647943**

total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) to the total depth of the soil boring (MW-I-P was drilled and sampled to a total depth of 103-feet below ground surface [bgs], however it was later completed with 4-inch diameter PVC casing and screen only to a total depth of 75 feet bgs). Analytical results from soil samples collected from borings MW-2-P, MW-3-P, and MW-4-P showed petroleum hydrocarbons were at very low or below detection concentrations. The maximum detectable TPHg concentration was 1.4 milligrams per kilogram (mg/kg) in MW-3-P at 40-feet bgs. Soil samples collected from these peripheral borings had a maximum benzene concentration of 0.29 mg/kg. Results of these site assessment activities suggested that the lateral extent of hydrocarbon impacts in soil in the vadose zone were restricted to a limited area along the western portion of the USTs. Groundwater conditions beneath, adjacent, and further downgradient of the Site, however, had not been fully assessed. Park subsequently initiated field operations at one (1) off-site well location, MW-5-P, on March 22, 1993. The groundwater monitoring well was installed to a total depth of approximately 146- feet bgs. The well is situated approximately 150 feet to the east of the Site, on the north side of University Avenue. Results of laboratory analysis of soil samples collected from MW-5-P indicated the presence of very low concentrations of TPHg at 1.4 mg/kg and 0.96 mg/kg at 120- and 125-feet bgs, respectively. Low concentrations of BTEX were detected in soil samples collected from depths of 100, 120-, and 125-feet bgs. A total of two (2) soil borings, later constructed as groundwater monitoring wells MW-6-P and MW-7-P, were drilled in September 1994 to depths ranging from 145 feet to 147 feet bgs, respectively. A total of fourteen (14) soil samples were submitted to the laboratory for analyses of TPHg and BTEX using EPA Methods 8015M (modified as gasoline) and 8020, respectively. Analytical results from all soil samples collected TPHg and BTEX concentrations below the method detection detection limits of 0.05 mg/kg and 0.003 mg/kg, respectively. In October 1999, one additional groundwater monitoring well, MW-8-P, was drilled and installed southwest (downgradient) of the USTs to further assess groundwater conditions between wells MW-6-P and MW-7-P. The soil samples collected from this well also showed below detection concentrations for all targeted (TPHg and BTEX) compounds. Based on the lateral and vertical extent of gasoline-impacted soil and groundwater beneath the Site, soil vapor extraction (SVE) was selected as the primary remedial method to mitigate the hydrocarbon impacts in soil and groundwater beneath the Site. To recover vapor phase and dissolved phase hydrocarbons from shallow soils and groundwater beneath the Site, three wells (MW-1-P, MW-3-P, and MW-4-P) were converted for vapor extraction. Vapor extraction activities were initiatedfrom all three SVE wells on February 28, 1996.SVE operations were active for total cumulative of 535 days (from February 28, 1996 through December 31, 1998) and recovered and destroyed a total cumulative volume of approximately 86,800 pounds of hydrocarbon vapor. During this interval, TPHg concentrations in the influent vapor stream decreased from over 2,700 ppmv to less than 400 ppmv. Benzene concentrations in the influent vapor stream decreased from approximately 50 ppmv to less than 1 ppmv during this interval.SVE operations were shut down on November 30, 1998 when benzene concentrations in the influent vapor had decreased to levels below 1 ppmv during four (4) consecutive monthly sampling events. In addition, quarterly groundwater sampling of well MW-4-P

USA GASOLINE #240 (Continued) **S103647943**

had shown reductions of dissolved TPHg and benzene concentrations from over 13,000 and 3,300 ppb, respectively in May 1997 to below detection concentrations for both compounds during the 3rd and 4th quarter 1998 sampling events. Following the suspension of SVE operations in November 1998, two confirmation soil borings (SB-1 and SB-2) were advanced and sampled during April 2000 in former hydrocarbon impacted areas west of the USTs. Analytical results from sampling these two soil borings revealed that residual hydrocarbon concentrations were still present within a very localized area of the Site, directly adjacent to the western edge of the USTs (near MW-1-P), from approximately 100 to 125 feet below ground surface. These soil borings showed that previous soil vapor extraction activities significantly reduced the overall concentration of these hydrocarbons in shallower soil intervals within this area. However, the remedial effect of vapor extraction on the unsaturated interval from the bottom of MW-1-P to the top of the groundwater table was observed to be minimal, based on the soil sampling results. The total depth of well MW-1-P was measured at approximately 75 feet bgs. The depth to the top of the groundwater table beneath well MW-1-P was observed to be approximately 125 feet. Vapor extraction well (MW-1 A), was drilled on October 26, 2001, directly adjacent to well MW-1-P, and completed to a total depth of 125 feet and completed with two casing strings of 2" diameter PVC casing with slotted intervals from approximately 74-99 bgs (upper zone) and from 100-125 feet bgs (lower zone). Following modifications to the subsurface SVE extraction piping, the new well was connected to the system. SVE activities were resumed from wells MW-1-P and MW-1A (upper and lower zone) on November 15, 2001. Resumed SVE operations were active for a total cumulative of 1,467 days (from November 15, 2001 through April 2, 2007) and recovered and destroyed an additional 13,528 pounds of hydrocarbon vapor. Following resumption of SVE activities, TPHg concentrations in the influent vapor stream decreased from a maximum of 1,200 ppmv to less than 25 ppmv. Benzene concentrations in the influent vapor stream decreased from a maximum of 1.8 ppmv to less than 1 ppmv during this interval. A soil vapor rebound test was conducted during August 2006 to assess remaining TPHg, BTEX, and MTBE vapor concentrations from all wells. Following discrete soil vapor sampling on August 2, 2006, SVE operations were suspended for approximately 3 weeks. On August 22, 2006, the SVE system was re-activated, and after approximately 30 minutes after system startup, discrete vapor samples were again collected from each well to measure any hydrocarbon rebound in the soil vapor. Except for xylene concentrations in wells MW-1, MW-1U, and MW-1L, all wells showed TPHg, BTEX, and MTBE concentrations to below the analytical detection limit. Xylene concentrations in well MW-1, MW-1U, and MW-1L were reported at 0.27, 1.30, and 0.38 ppmv, respectively, following the rebound test. This vapor rebound test, along with analytical from previous monthly sampling events of the influent vapor stream, indicated that the resumed soil vapor extraction remedial effort had recovered most of the recoverable hydrocarbon vapor from the impacted area from 75 to 125 feet bgs. TPHg concentrations in the influent vapor stream following the rebound test period were sustained at levels below 100 ppmv for more than 6 months, SVE operations wereterminated on March 31,2007. To further verify the completion of additional soil remedial activities from remaining soil impacts in the deeper zones, two confirmation soil borings (SB-3 and SB-4) were advanced and sampled on November 15 and 16, 2007, respectively. Both

USA GASOLINE #240 (Continued) **S103647943**

of these borings were adjacent to a total depth of approximately 125 feet bgs and sampled at 10 foot depth intervals above 70 feet bgs, and at 5 foot intervals from 75 to 125 feet bgs. The analytical results from this sampling showed a significant reduction in hydrocarbon concentrations from 75-125 feet bgs and indicated most of the recoverable hydrocarbon compounds were removed from this interval. February 2, 2009 Final groundwater sampling event. All seven groundwater monitoring wells were sampled. Maximum groundwater concentrations were ND<50 ppb TPHg, 0.76J ppb B (MW-4-P), ND<0.5 ppb TEX, MTBE, ETBE, TAME, ND<5.0 TBA, ND<500 ppb Ethanol, 6.55 ppb FC-12(Dichlorodifluoromethane) (MW-6-P), and 1.42 ppb Chloroform (MW-6-P). Groundwater Monitoring Groundwater sampling results showed concentrations below detection limits for petroleum hydrocarbons and fuel oxygenates since December 2003. The three off-site groundwater monitoring wells (MW-6-P, MW-7-P, and MW-8-P) downgradient of the site have not showed TPHg or MTBE concentrations above detection limits since February 2000. Since April 2009, RCDEH has been waiting on well destructions prior to issuing a no further action letter. As per the SWRCBs directive to close the site regardless of non-compliance with well destructions, a site closure letter dated 8/18/10 was prepared. A cover letter was attached to the closure letter requiring documentation of well destructions by 11/30/10.

LUST:

Global Id:	T0606500237
Contact Type:	Local Agency Caseworker
Contact Name:	ANDREA BRIONES
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	abriones@rivco.org
Phone Number:	9519558980

Global Id:	T0606500237
Contact Type:	Regional Board Caseworker
Contact Name:	TOM E. MBEKE-EKANEM
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	tmbeke-ekanem@waterboards.ca.gov
Phone Number:	9513202007

LUST:

Global Id:	T0606500237
Action Type:	ENFORCEMENT
Date:	04/04/2011
Action:	Closure/No Further Action Letter - #RCDEH040411

Global Id:	T0606500237
Action Type:	ENFORCEMENT
Date:	08/18/2010
Action:	Closure/No Further Action Letter - #RCDEH Closure

Global Id:	T0606500237
Action Type:	RESPONSE
Date:	02/25/2010
Action:	Clean Up Fund - 5-Year Review Summary

USA GASOLINE #240 (Continued) **S103647943**

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 08/18/2010
Action: Staff Letter - #RCDEH 081810

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 09/25/2007
Action: Staff Letter - #RCDEH 092507

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 12/19/2009
Action: LOP Case Closure Summary to RB

Global Id: T0606500237
Action Type: RESPONSE
Date: 06/12/2009
Action: Well Destruction Report

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 05/01/2008
Action: Staff Letter - #RCDEH050108

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 02/26/2008
Action: Technical Correspondence / Assistance / Other - #RCDEH 022608

Global Id: T0606500237
Action Type: Other
Date: 01/29/1990
Action: Leak Discovery

Global Id: T0606500237
Action Type: RESPONSE
Date: 11/30/2010
Action: Well Destruction Report

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 04/07/2009
Action: Staff Letter - #RCDEH040709

Global Id: T0606500237
Action Type: RESPONSE
Date: 03/10/2009
Action: Request for Closure

Global Id: T0606500237
Action Type: REMEDIATION
Date: 11/14/2001
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500237
Action Type: REMEDIATION

USA GASOLINE #240 (Continued) **S103647943**

Date: 02/27/1996
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500237
Action Type: ENFORCEMENT
Date: 08/13/2009
Action: Staff Letter - #RCDEH081309

Global Id: T0606500237
Action Type: Other
Date: 01/29/1990
Action: Leak Stopped

Global Id: T0606500237
Action Type: RESPONSE
Date: 11/30/2007
Action: Other Report / Document

Global Id: T0606500237
Action Type: RESPONSE
Date: 12/29/2007
Action: Request for Closure

Global Id: T0606500237
Action Type: Other
Date: 11/02/1990
Action: Leak Reported

LUST:
Global Id: T0606500237
Status: Open - Case Begin Date
Status Date: 01/29/1990

Global Id: T0606500237
Status: Open - Site Assessment
Status Date: 04/25/1991

Global Id: T0606500237
Status: Open - Site Assessment
Status Date: 10/23/1991

Global Id: T0606500237
Status: Open - Remediation
Status Date: 02/27/1996

Global Id: T0606500237
Status: Open - Remediation
Status Date: 11/14/2001

Global Id: T0606500237
Status: Open - Verification Monitoring
Status Date: 05/01/2007

Global Id: T0606500237
Status: Completed - Case Closed
Status Date: 08/18/2010

USA GASOLINE #240 (Continued) **S103647943**

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	91354
Employee:	Reyes-LOP
Site Closed:	Yes
Case Type:	Drinking Water Aquifer affected
Facility Status:	closed/action completed
Casetype Decode:	An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode:	Closed/Action completed

N53 East 1/4-1/2 0.289 mi. 1524 ft. **USA GASOLINE #240** **LUST** **U003886165**
2658 UNIVERSITY AVE **N/A**
RIVERSIDE, CA 92507

Site 3 of 3 in cluster N

Relative: Higher

Actual: 903 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Remedial action (cleanup) Underway
Case Number:	083301863T
Local Case Num:	91354
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Vapor Extraction
Cross Street:	VICTORIA
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Inventory Control
How Stopped:	Not reported
Leak Cause:	Structure Failure
Leak Source:	UNK
Global ID:	T0606500237
How Stopped Date:	1/29/1990
Enter Date:	6/11/1991
Date Confirmation of Leak Began:	1/29/1990
Date Preliminary Assessment Began:	10/23/1992
Discover Date:	1/29/1990
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	10/23/1991
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	2/28/1995
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	6/11/1991
GW Qualifies:	=
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9760803
Longitude:	-117.3623787
MTBE Date:	9/25/2002

USA GASOLINE #240 (Continued) **U003886165**

Max MTBE GW:	45
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

O54 **RIVERSIDE BULK PLANT** **LUST** **U001576534**
SW **4526 COMMERCE STREET** **HIST UST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507** **HAZNET**
0.295 mi.
1555 ft. **Site 1 of 3 in cluster O**

Relative: Higher

Actual: 877 ft.

LUST:

Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500083
Global Id:	T0606500083
Latitude:	33.9711213
Longitude:	-117.372198
Status:	Open - Eligible for Closure
Status Date:	09/15/2016
Case Worker:	NOM
RB Case Number:	083300766T
Local Agency:	Not reported
File Location:	Regional Board
Local Case Number:	87710
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	.

LUST:

Global Id:	T0606500083
Contact Type:	Regional Board Caseworker
Contact Name:	NANCY OLSON-MARTIN
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	nolson-martin@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0606500083
Action Type:	RESPONSE
Date:	03/15/2017
Action:	Email Correspondence

Global Id:	T0606500083

RIVERSIDE BULK PLANT (Continued) **U001576534**

Action Type: RESPONSE
Date: 09/01/2016
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/12/2016
Action: Email Correspondence

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 09/22/2005
Action: File review - #RCDEH Upload Site File 5/29/2015

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 02/17/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 04/20/2007
Action: Staff Letter

Global Id: T0606500083
Action Type: RESPONSE
Date: 02/13/2015
Action: Well Installation Workplan - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/30/2006
Action: Other Report / Document

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/30/2006
Action: Remedial Progress Report

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2006
Action: Remedial Progress Report

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2006

RIVERSIDE BULK PLANT (Continued) **U001576534**

Action: Other Report / Document

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/30/2006
Action: Monitoring Report - Quarterly

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 07/01/2006
Action: File review

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/30/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 09/07/2017
Action: Other Report / Document - Regulator Responded

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 09/25/2008
Action: File review

Global Id: T0606500083
Action Type: REMEDIATION
Date: 01/30/1988
Action: Free Product Removal

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 12/14/2013
Action: File review

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 05/07/2014
Action: Staff Letter

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 05/03/2017
Action: Email Correspondence

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 01/26/2016
Action: Email Correspondence

RIVERSIDE BULK PLANT (Continued) **U001576534**

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/06/2016
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/12/2016
Action: Email Correspondence

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 02/11/2009
Action: Meeting

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 07/28/2009
Action: Staff Letter

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 06/19/2015
Action: Staff Letter

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 04/14/2014
Action: File review

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2007
Action: Monitoring Report - Quarterly

Global Id: T0606500083
Action Type: RESPONSE
Date: 08/30/2007
Action: Well Installation Report

Global Id: T0606500083
Action Type: RESPONSE
Date: 06/24/2016
Action: Other Workplan - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/30/2017
Action: Other Workplan - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 09/20/2016
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE

RIVERSIDE BULK PLANT (Continued) **U001576534**

Date: 07/13/2017
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/13/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 06/10/2013
Action: File review

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 07/31/2017
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 03/07/2017
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/30/2013
Action: Request for Closure - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 04/15/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/12/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/20/2016
Action: Monitoring Report - Other

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 01/01/2013
Action: Staff Letter

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2006
Action: Monitoring Report - Quarterly

RIVERSIDE BULK PLANT (Continued) **U001576534**

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2006
Action: Other Report / Document

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 03/20/2007
Action: Verbal Enforcement

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 10/15/2015
Action: Meeting

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 06/23/2016
Action: Meeting

Global Id: T0606500083
Action Type: RESPONSE
Date: 04/30/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 09/02/2015
Action: Sensitive Receptor Survey Report

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 09/22/2005
Action: * Referral to Regional Board or Another State Agency

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 10/25/2005
Action: * No Action

Global Id: T0606500083
Action Type: RESPONSE
Date: 09/30/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 05/20/2015
Action: Email Correspondence

Global Id: T0606500083
Action Type: ENFORCEMENT

RIVERSIDE BULK PLANT (Continued) **U001576534**

Date: 02/13/2013
Action: Staff Letter

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 04/03/2015
Action: Staff Letter

Global Id: T0606500083
Action Type: ENFORCEMENT
Date: 11/14/2014
Action: Meeting

Global Id: T0606500083
Action Type: Other
Date: 11/17/1987
Action: Leak Stopped

Global Id: T0606500083
Action Type: Other
Date: 11/17/1987
Action: Leak Reported

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/29/2016
Action: Sensitive Receptor Survey Report

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/31/2017
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/14/2005
Action: Monitoring Report - Quarterly

Global Id: T0606500083
Action Type: RESPONSE
Date: 05/22/2015
Action: Email Correspondence

Global Id: T0606500083
Action Type: Other
Date: 08/21/1987
Action: Leak Discovery

Global Id: T0606500083
Action Type: RESPONSE
Date: 10/04/2016
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2007
Action: Remedial Progress Report

RIVERSIDE BULK PLANT (Continued) **U001576534**

Global Id: T0606500083
Action Type: RESPONSE
Date: 11/18/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 08/30/2016
Action: Other Report / Document - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 05/17/2016
Action: Request for Closure - Regulator Responded

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/24/2017
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 03/08/2017
Action: Email Correspondence

Global Id: T0606500083
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0606500083
Action Type: RESPONSE
Date: 07/30/2006
Action: Remedial Progress Report

Global Id: T0606500083
Action Type: REMEDIATION
Date: 01/01/1991
Action: Dual Phase Extraction

LUST:
Global Id: T0606500083
Status: Open - Case Begin Date
Status Date: 08/21/1987

Global Id: T0606500083
Status: Open - Site Assessment
Status Date: 08/21/1987

Global Id: T0606500083
Status: Open - Site Assessment
Status Date: 12/01/1987

Global Id: T0606500083
Status: Open - Site Assessment
Status Date: 03/16/1988

RIVERSIDE BULK PLANT (Continued) **U001576534**

Global Id: T0606500083
Status: Open - Remediation
Status Date: 09/12/1989

Global Id: T0606500083
Status: Open - Remediation
Status Date: 09/13/1989

Global Id: T0606500083
Status: Open - Remediation
Status Date: 07/13/2006

Global Id: T0606500083
Status: Open - Remediation
Status Date: 07/15/2006

Global Id: T0606500083
Status: Open - Remediation
Status Date: 10/12/2006

Global Id: T0606500083
Status: Open - Remediation
Status Date: 07/15/2007

Global Id: T0606500083
Status: Open - Eligible for Closure
Status Date: 09/15/2016

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 87710
Employee: Boltinghous-LOP
Site Closed: Referred to Water Board
Case Type: Drinking Water Aquifer affected
Facility Status: 0
Casetype Decode: An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode: Not reported

HIST UST:
File Number: 0001F7F9
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F7F9.pdf
Region: STATE
Facility ID: 00000039264
Facility Type: Other
Other Type: BULK PETRO. STORAGE
Contact Name: DAVE GASH
Telephone: 7146827933
Owner Name: MOBIL OIL CORPORATION
Owner Address: 612 SO. FLOWER ST.
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported

RIVERSIDE BULK PLANT (Continued) **U001576534**

Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

HAZNET:

envid:	U001576534
Year:	2015
GEPAID:	CAL000074663
Contact:	DONNA HYMES
Telephone:	6104308151
Mailing Name:	Not reported
Mailing Address:	800 E WASHINGTON ST
Mailing City,St,Zip:	WEST CHESTER, PA 193804542
Gen County:	Riverside
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.025
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	U001576534
Year:	2015
GEPAID:	CAL000074663
Contact:	DONNA HYMES
Telephone:	6104308151
Mailing Name:	Not reported
Mailing Address:	800 E WASHINGTON ST
Mailing City,St,Zip:	WEST CHESTER, PA 193804542
Gen County:	Riverside
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.28773
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	U001576534
Year:	2011
GEPAID:	CAL000074663
Contact:	D HYMES EXXONMOBIL HAZ WSTE CO
Telephone:	6104308151
Mailing Name:	Not reported
Mailing Address:	800 E WASHINGTON ST
Mailing City,St,Zip:	WEST CHESTER, PA 193800000
Gen County:	Not reported
TSD EPA ID:	CAD028409019

RIVERSIDE BULK PLANT (Continued) **U001576534**

TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0165
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	U001576534
Year:	2011
GEPAID:	CAL000074663
Contact:	D HYMES EXXONMOBIL HAZ WSTE CO
Telephone:	6104308151
Mailing Name:	Not reported
Mailing Address:	800 E WASHINGTON ST
Mailing City,St,Zip:	WEST CHESTER, PA 193800000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0165
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

envid:	U001576534
Year:	2009
GEPAID:	CAL000074663
Contact:	ASHLEY FORBES
Telephone:	5124516334
Mailing Name:	Not reported
Mailing Address:	PO BOX 142667
Mailing City,St,Zip:	AUSTIN, TX 787142667
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2085
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

O55 SW 1/4-1/2 0.295 mi. 1555 ft. | **MOBIL BULK PLANT # 04-407**
4526 COMMERCE ST
RIVERSIDE, CA 92507

LUST | **S105692134**
N/A

Site 2 of 3 in cluster O

Relative: Higher

Actual: 877 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Remedial action (cleanup) Underway
Case Number:	083300766T
Local Case Num:	87710
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	EDGT
Cross Street:	PLEASANT
Enf Type:	Not reported
Funding:	State Funds
How Discovered:	Subsurface Monitoring
How Stopped:	Not reported
Leak Cause:	Overfill
Leak Source:	UNK
Global ID:	T0606500083
How Stopped Date:	Not reported
Enter Date:	3/16/1988
Date Confirmation of Leak Began:	12/1/1987
Date Preliminary Assessment Began:	Not reported
Discover Date:	8/21/1987
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	8/21/1987
Date Pollution Characterization Began:	3/16/1988
Date Remediation Plan Submitted:	9/12/1989
Date Remedial Action Underway:	1/1/1965
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/16/1988
GW Qualifies:	=
Soil Qualifies:	ND
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9711213
Longitude:	-117.372198
MTBE Date:	2/19/1996
Max MTBE GW:	1300
MTBE Concentration:	1
Max MTBE Soil:	5
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	B
Staff:	RS
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported

MOBIL BULK PLANT # 04-407 (Continued) **S105692134**

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: FREE PRODUCT (MAX. 5.1'). SYSTEM DEACTIVATED-NO LONGER EFFECTIVE. THEY ARE PRESENTLY CONDUCTING QUARTERLY MONITORING

O56 **MOBIL BULK PLANT** **SWEEPS UST** **S101589833**
SW **4526 COMMERCE ST** **CA FID UST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501** **HIST CORTESE**
0.295 mi.
1555 ft. **Site 3 of 3 in cluster O**

Relative:
Higher

Actual:
877 ft.

SWEEPS UST:
Status: Active
Comp Number: 1833
Number: 1
Board Of Equalization: Not reported
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 08-26-91
Owner Tank Id: J-392820
SWRCB Tank Id: 33-000-001833-000001
Tank Status: A
Capacity: 500
Active Date: 11-17-92
Tank Use: PETROLEUM
STG: W
Content: GASOLINE & W
Number Of Tanks: 1

CA FID UST:
Facility ID: 33000224
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 3800 W ALAMEDA AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92501
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083300766T

P57 NNE 1/4-1/2 0.306 mi. 1614 ft. | **3008-3032 6TH STREET (RSIMC PARCEL 021)**
3008-3032 6TH STREET
RIVERSIDE, CA 92507

Site 1 of 5 in cluster P

US BROWNFIELDS FINDS | **1016345323**
N/A

Relative: Higher

Actual: 883 ft.

US BROWNFIELDS:

Property Name:	3008-3032 6TH STREET (RSIMC PARCEL 021)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-072-021
Parcel size:	1.46
Latitude:	33.98001
Longitude:	-117.36484
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15980
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside Scrap Iron and Metal Corporation
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

3008-3032 6TH STREET (RSIMC PARCEL 021) (Continued) **1016345323**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

3008-3032 6TH STREET (RSIMC PARCEL 021) (Continued) **1016345323**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1653
Below Poverty Percent:	33.5%
Meidan Income:	10417
Meidan Income Number:	3305
Meidan Income Percent:	67.1%
Vacant Housing Number:	229
Vacant Housing Percent:	15.7%
Unemployed Number:	357
Unemployed Percent:	7.2%

FINDS:

Registry ID: 110038693606

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P58 **3008-3032 6TH STREET (RSIMC PARCEL 022)** **US BROWNFIELDS** **1016345322**
NNE **3008-3032 6TH STREET** **FINDS** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.306 mi.
1614 ft. **Site 2 of 5 in cluster P**

Relative: Higher
Actual: 883 ft.

US BROWNFIELDS:

Property Name:	3008-3032 6TH STREET (RSIMC PARCEL 022)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-072-022
Parcel size:	.22
Latitude:	33.98001
Longitude:	-117.36484
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000

3008-3032 6TH STREET (RSIMC PARCEL 022) (Continued) **1016345322**

Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15979
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside Scrap Iron and Metal Corporation
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported

3008-3032 6TH STREET (RSIMC PARCEL 022) (Continued) **1016345322**

Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported

3008-3032 6TH STREET (RSIMC PARCEL 022) (Continued) **1016345322**

Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1653
Below Poverty Percent:	33.5%
Meidan Income:	10417
Meidan Income Number:	3305
Meidan Income Percent:	67.1%
Vacant Housing Number:	229
Vacant Housing Percent:	15.7%
Unemployed Number:	357
Unemployed Percent:	7.2%

FINDS:

Registry ID: 110038693599

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Q59 **RVSD CO CAC (RIVERSIDE)** **LUST** **S100217488**
WNW **4080 LEMON ST** **CHMIRS** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.306 mi.
1614 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
853 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500500
Global Id:	T0606500500
Latitude:	33.9779887745131
Longitude:	-117.373334606865
Status:	Completed - Case Closed
Status Date:	04/21/1998
Case Worker:	SCB
RB Case Number:	083303037T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	970744
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0606500500
Contact Type:	Local Agency Caseworker
Contact Name:	SHARON BOLTINGHOUSE
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE

RVSD CO CAC (RIVERSIDE) (Continued) **S100217488**

Email: sbolting@rivco.org
Phone Number: 9519558980

Global Id: T0606500500
Contact Type: Regional Board Caseworker
Contact Name: VALERIE JAHN-BULL
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: valerie.jahn-bull@waterboards.ca.gov
Phone Number: 9517824903

LUST:
Global Id: T0606500500
Action Type: ENFORCEMENT
Date: 04/20/1998
Action: File review - #RCDEH Upload Site File 10/28/2015

Global Id: T0606500500
Action Type: ENFORCEMENT
Date: 04/21/1998
Action: Closure/No Further Action Letter - #RCDEH0421

Global Id: T0606500500
Action Type: ENFORCEMENT
Date: 04/20/1998
Action: Other Report - #UST Sample Analytical Report

Global Id: T0606500500
Action Type: Other
Date: 07/14/1997
Action: Leak Discovery

Global Id: T0606500500
Action Type: Other
Date: 07/02/1997
Action: Leak Stopped

Global Id: T0606500500
Action Type: Other
Date: 07/23/1997
Action: Leak Reported

LUST:
Global Id: T0606500500
Status: Open - Case Begin Date
Status Date: 07/02/1997

Global Id: T0606500500
Status: Open - Site Assessment
Status Date: 07/16/1997

Global Id: T0606500500
Status: Completed - Case Closed
Status Date: 04/21/1998

RVSD CO CAC (RIVERSIDE) (Continued) **S100217488**

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	970744
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

CHMIRS:

OES Incident Number:	907085
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**18-JUL-89**
Property Use:	500
Agency Id Number:	33075
Agency Incident Number:	8909766
Time Notified:	1558
Time Completed:	2104
Surrounding Area:	500
Estimated Temperature:	85
Property Management:	K
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	STEVE EARLEY #26000
Report Date:	18-JUL-89
Facility Telephone:	714 782-5311
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	18-JUL-89
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported

RVSD CO CAC (RIVERSIDE) (Continued) **S100217488**

Site Type:	Not reported
E Date:	16-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

Q60 **RSDE COUNTY ADMINISTRATIVE CTR** **LUST** **S101589950**
WNW **4080 LEMON ST** **SWEEPS UST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501** **CA FID UST**
0.306 mi. **EMI**
1614 ft. **Site 2 of 2 in cluster Q** **HIST CORTESE**

Relative:
Lower

Actual:
853 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083303037T
Local Case Num:	970744
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	10TH
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0606500500
How Stopped Date:	Not reported
Enter Date:	8/29/1997
Date Confirmation of Leak Began:	7/14/1997
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/14/1997
Enforcement Date:	Not reported
Close Date:	4/21/1998
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported

RSDE COUNTY ADMINISTRATIVE CTR (Continued) **S101589950**

Enter Date:	8/29/1997
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9778422
Longitude:	-117.3737662
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	VJJ
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	32207
Number:	4
Board Of Equalization:	44-018155
Referral Date:	04-19-89
Action Date:	04-19-89
Created Date:	02-29-88
Owner Tank Id:	1
SWRCB Tank Id:	33-000-032207-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	33001655
Regulated By:	UTNKA
Regulated ID:	00032207
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147872452
Mail To:	Not reported
Mailing Address:	4080 LEMON ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92501

RSDE COUNTY ADMINISTRATIVE CTR (Continued) **S101589950**

Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

EMI:

Year:	1987
County Code:	33
Air Basin:	SC
Facility ID:	684
Air District Name:	SC
SIC Code:	4463
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:	1
NOX - Oxides of Nitrogen Tons/Yr:	6
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	33
Air Basin:	SC
Facility ID:	684
Air District Name:	SC
SIC Code:	9199
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:	1
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	33
Air Basin:	SC
Facility ID:	684
Air District Name:	SC
SIC Code:	9199
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

RSDE COUNTY ADMINISTRATIVE CTR (Continued) **S101589950**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083303037T

R61 **3604 COMMERCE STREET** **US BROWNFIELDS** **1010367196**
NNE **3604 COMMERCE STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.311 mi.
1642 ft. **Site 1 of 6 in cluster R**

Relative:
Higher

Actual:
874 ft.

US BROWNFIELDS:

Property Name:	3604 COMMERCE STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-072-001
Parcel size:	.49
Latitude:	33.98182
Longitude:	-117.36485
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15987
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Lynnette and Jerry Davis, Jr.
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported

3604 COMMERCE STREET (Continued) **1010367196**

IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported

3604 COMMERCE STREET (Continued) **1010367196**

Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1539
Below Poverty Percent:	33.9%
Meidan Income:	8604
Meidan Income Number:	3068
Meidan Income Percent:	67.5%
Vacant Housing Number:	223
Vacant Housing Percent:	16.3%
Unemployed Number:	343
Unemployed Percent:	7.6%

R62 **6TH AND COMMERCE STREETS** **US BROWNFIELDS** **1016345326**
NNE **6TH STREET AND COMMERCE STREET** **FINDS** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.315 mi.
1663 ft. **Site 2 of 6 in cluster R**

Relative:
Higher

Actual:
874 ft.

US BROWNFIELDS:

Property Name:	6TH AND COMMERCE STREETS
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-027-004
Parcel size:	0
Latitude:	33.98049
Longitude:	-117.365779
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported

6TH AND COMMERCE STREETS (Continued) **1016345326**

Acres Property ID:	15983
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside Scrap Iron and Metal Corporation
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported

6TH AND COMMERCE STREETS (Continued) **1016345326**

PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

6TH AND COMMERCE STREETS (Continued) **1016345326**

Property Description:	Not reported
Below Poverty Number:	1539
Below Poverty Percent:	33.9%
Meidan Income:	8604
Meidan Income Number:	3068
Meidan Income Percent:	67.5%
Vacant Housing Number:	223
Vacant Housing Percent:	16.3%
Unemployed Number:	343
Unemployed Percent:	7.6%

FINDS:

Registry ID: 110038693633

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

R63 **INLAND FRAME & DESIGN** **HIST CORTESE** **S105025865**
NNE **3596 COMMERCE** **N/A**
1/4-1/2 **RIVERDALE, CA 92517**
0.320 mi.
1691 ft. **Site 3 of 6 in cluster R**

Relative: **Higher**
Actual: **874 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083302339T

P64 **RIVERSIDE SCRAP IRON & METAL CORP** **LUST** **S104405435**
NNE **2993 SIXTH ST** **SLIC** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507** **NPDES**
0.327 mi. **WDS**
1729 ft. **Site 3 of 5 in cluster P**

Relative: **Higher**
Actual: **882 ft.**

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500626
Global Id:	T0606500626
Latitude:	33.9808892006788
Longitude:	-117.364549495151
Status:	Completed - Case Closed
Status Date:	10/03/2000
Case Worker:	SCB
RB Case Number:	083303625T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	9915785

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500626
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0606500626
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:
Global Id: T0606500626
Action Type: ENFORCEMENT
Date: 10/02/2000
Action: File review - #RCDEH Upload Site File 10/23/2015

Global Id: T0606500626
Action Type: ENFORCEMENT
Date: 10/03/2000
Action: Closure/No Further Action Letter - #Riv Co Closure

Global Id: T0606500626
Action Type: Other
Date: 11/05/1999
Action: Leak Discovery

Global Id: T0606500626
Action Type: Other
Date: 09/30/1999
Action: Leak Stopped

Global Id: T0606500626
Action Type: Other
Date: 11/05/1999
Action: Leak Reported

LUST:
Global Id: T0606500626
Status: Open - Case Begin Date
Status Date: 09/30/1999

Global Id: T0606500626
Status: Open - Site Assessment
Status Date: 11/05/1999

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

Global Id:	T0606500626
Status:	Completed - Case Closed
Status Date:	10/03/2000

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Leak being confirmed
Case Number:	083303625T
Local Case Num:	99-15785
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	COMMERCE STREET
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500626
How Stopped Date:	9/30/1999
Enter Date:	2/2/2000
Date Confirmation of Leak Began:	11/5/1999
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/5/1999
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	2/2/2000
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.980047
Longitude:	-117.364369
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	RS
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	No
Summary:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	02/27/2014
Global Id:	T10000005690
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	60002350
Latitude:	33.9799561
Longitude:	-117.3645406
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	DTSC
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Tetrachloroethylene (PCE), Polychlorinated biphenyls (PCBs), Arsenic, Lead, Polynuclear aromatic hydrocarbons (PAHs), Total Petroleum Hydrocarbons (TPH)
Site History:	Project transferred to Department of Toxic Substances Control please see their website for further information. https://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=60002350

Click here to access the California GeoTracker records for this facility:

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	8
Regulatory Measure Id:	426960
Order No:	Not reported
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Place Id:	Not reported
WDID:	8 33MR000026
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:	09/01/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/08/2012
PROCESSED DATE:	05/24/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	10/14/2015
PLACE SIZE:	8

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Frank Cuthbert
FACILITY CONTACT TITLE:	Operations Manager
FACILITY CONTACT PHONE:	951-686-2129
FACILITY CONTACT PHONE EXT:	205
FACILITY CONTACT EMAIL:	rsimcsb@aol.com
OPERATOR NAME:	Riverside Scrap iron & Metal Corporation
OPERATOR ADDRESS:	P O Box 5288
OPERATOR CITY:	Riverside
OPERATOR STATE:	California
OPERATOR ZIP:	92517
OPERATOR CONTACT NAME:	Raj Gandhi
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	951-686-2129
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	RajMG1029@msn.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 DESRIPTION:	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:	Not reported
CERTIFIER NAME:	Raj Gandhi
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	08-MAY-12
PRIMARY SIC:	5093-Scrap and Waste Materials
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Terminated
Agency Id:	0
Region:	8
Regulatory Measure Id:	426960

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

Order No:	Not reported
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	8 33MR000026
Program Type:	Region 8 - Scrap Metal Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/24/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/01/2015
Discharge Name:	Riverside Scrap iron & Metal Corporation
Discharge Address:	P O Box 5288
Discharge City:	Riverside
Discharge State:	California
Discharge Zip:	92517
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY 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 NAME:	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 NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	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 DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

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 NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

WDS:

Facility ID:	Santa Ana River 33I010663
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:	8
Facility Telephone:	9096862120
Facility Contact:	DANIEL J FRANKEL
Agency Name:	RIVERSIDE SCRAP IRON & METAL
Agency Address:	PO Box 5288
Agency City,St,Zip:	Riverside 925175288
Agency Contact:	DANIEL J FRANKEL
Agency Telephone:	9096862120
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

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405435**

disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

P65 NNE 1/4-1/2 0.327 mi. 1729 ft. **RIVERSIDE SCRAP IRON & METAL CORP** **LUST** **S104405164**
2993 SIXTH ST **CHMIRS** **N/A**
RIVERSIDE, CA

Site 4 of 5 in cluster P

Relative: Higher

Actual: 882 ft.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	9915785
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

CHMIRS:

OES Incident Number:	0-1985
OES notification:	05/04/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405164**

Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Riverside City Fire
Incident Date:	5/4/200012:00:00 AM
Admin Agency:	Riverside City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Hydrochloric acid
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	35
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Spilled on ground and caused a vapor cloud.
OES Incident Number:	0-1986
OES notification:	05/04/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

RIVERSIDE SCRAP IRON & METAL CORP (Continued) **S104405164**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Riverside City Fire
Incident Date:	5/3/200012:00:00 AM
Admin Agency:	Riverside City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Xylenes
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	3, 30 gallon containers abandon, not leaking.

P66 **RIVERSIDE SCRAP IRON & METAL CORP.** **ENVIROSTOR** **S113010552**
NNE **2993 SIXTH STREET** **VCP** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507** **HAZNET**
0.327 mi.
1729 ft. **Site 5 of 5 in cluster P**

Relative:
Higher

Actual:
882 ft.

ENVIROSTOR:

Facility ID:	60002350
Status:	Active
Status Date:	04/25/2016
Site Code:	401746
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP

RIVERSIDE SCRAP IRON & METAL CORP. (Continued) **S113010552**

Program Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 61
Senate:	, 31
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.98017
Longitude:	-117.3645
APN:	NONE SPECIFIED
Past Use:	RECYCLING - SCRAP METAL
Potential COC:	Lead Polychlorinated biphenyls (PCBs
Confirmed COC:	30013-NO 30018-NO
Potential Description:	SOIL, SV
Alias Name:	401746
Alias Type:	Project Code (Site Code)
Alias Name:	60002350
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/07/2017
Comments:	Mr. Frankel emailed that he never received the Annual Cost Estimate letter. A copy of the letter was mailed to him at P.O. Box 5288, Riverside, CA 92517 on 9/19/17.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	12/02/2016
Comments:	DTSC approved the Preliminary Environmental Assessment Technical Memorandum for implementation.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/11/2017
Comments:	DTSC approved the PEA with a Further Action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	04/25/2016
Comments:	Santa Ana Regional Water Quality Control Board sent letter, dated 04/25/16, transferring the Regulatory Oversight to DTSC for this Site. Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	07/28/2016
Comments:	Fully executed VCA sent via email and regular mail to RP on 07/28/16.

Completed Area Name:	PROJECT WIDE

RIVERSIDE SCRAP IRON & METAL CORP. (Continued) **S113010552**

Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/19/2016
Comments:	Annual Cost Estimate letter sent to RP on 9/19/16.

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2019
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Public Notice
Schedule Due Date:	06/09/2017
Schedule Revised Date:	01/03/2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	08/13/2017
Schedule Revised Date:	03/09/2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Action Plan
Schedule Due Date:	09/12/2017
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Fact Sheets
Schedule Due Date:	08/13/2017
Schedule Revised Date:	03/09/2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	CEQA - Initial Study/ Environmental Impact Report
Schedule Due Date:	07/04/2017
Schedule Revised Date:	11/05/2017

VCP:

Facility ID:	60002350
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Aslam Shareef
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401746
Assembly:	, 61
Senate:	, 31
Special Programs Code:	Not reported
Status:	Active
Status Date:	04/25/2016
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.98017 / -117.3645

RIVERSIDE SCRAP IRON & METAL CORP. (Continued) **S113010552**

APN:	NONE SPECIFIED
Past Use:	RECYCLING - SCRAP METAL
Potential COC:	30013, 30018
Confirmed COC:	30013-NO,30018-NO
Potential Description:	SOIL, SV
Alias Name:	401746
Alias Type:	Project Code (Site Code)
Alias Name:	60002350
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/07/2017
Comments:	Mr. Frankel emailed that he never received the Annual Cost Estimate letter. A copy of the letter was mailed to him at P.O. Box 5288, Riverside, CA 92517 on 9/19/17.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	12/02/2016
Comments:	DTSC approved the Preliminary Environmental Assessment Technical Memorandum for implementation.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/11/2017
Comments:	DTSC approved the PEA with a Further Action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	04/25/2016
Comments:	Santa Ana Regional Water Quality Control Board sent letter, dated 04/25/16, transferring the Regulatory Oversight to DTSC for this Site. Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	07/28/2016
Comments:	Fully executed VCA sent via email and regular mail to RP on 07/28/16.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/19/2016
Comments:	Annual Cost Estimate letter sent to RP on 9/19/16.

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2019
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported

RIVERSIDE SCRAP IRON & METAL CORP. (Continued) **S113010552**

Schedule Document Type:	Public Notice
Schedule Due Date:	06/09/2017
Schedule Revised Date:	01/03/2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	08/13/2017
Schedule Revised Date:	03/09/2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Action Plan
Schedule Due Date:	09/12/2017
Schedule Revised Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Fact Sheets
Schedule Due Date:	08/13/2017
Schedule Revised Date:	03/09/2018
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	CEQA - Initial Study/ Environmental Impact Report
Schedule Due Date:	07/04/2017
Schedule Revised Date:	11/05/2017

HAZNET:

envid:	S113010552
Year:	1993
GEPAID:	CAD981694649
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	P O BOX 5288
Mailing City,St,Zip:	RIVERSIDE, CA 925170000
Gen County:	Not reported
TSD EPA ID:	CAD000088252
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	0.2293
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Riverside

R67 **3596 COMMERCE STREET** **US BROWNFIELDS** **1010367198**
NNE **3596 COMMERCE STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.333 mi.
1756 ft. **Site 4 of 6 in cluster R**

Relative:
Higher

Actual:
876 ft.

US BROWNFIELDS:

Property Name:	3596 COMMERCE STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-071-002
Parcel size:	.28
Latitude:	33.98182
Longitude:	-117.36485

3596 COMMERCE STREET (Continued) **1010367198**

HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15989
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Sidney Lerner
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported

3596 COMMERCE STREET (Continued) **1010367198**

Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported

3596 COMMERCE STREET (Continued) **1010367198**

Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1553
Below Poverty Percent:	34.1%
Meidan Income:	8604
Meidan Income Number:	3078
Meidan Income Percent:	67.6%
Vacant Housing Number:	230
Vacant Housing Percent:	16.6%
Unemployed Number:	345
Unemployed Percent:	7.6%

R68 **INLAND FRAME & DESIGN** **LUST** **S100937393**
NNE **3596 COMMERCE ST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.333 mi.
1756 ft. **Site 5 of 6 in cluster R**

Relative:
Higher

Actual:
876 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500340
Global Id:	T0606500340
Latitude:	33.9804369145557
Longitude:	-117.365432550926
Status:	Completed - Case Closed
Status Date:	07/17/1995
Case Worker:	SCB
RB Case Number:	083302339T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	93775
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606500340
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rose.scott@waterboards.ca.gov
Phone Number:	9513206375

Global Id:	T0606500340
Contact Type:	Local Agency Caseworker
Contact Name:	SHARON BOLTINGHOUSE
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	sbolting@rivco.org
Phone Number:	9519558980

INLAND FRAME & DESIGN (Continued) **S100937393**

LUST:

Global Id: T0606500340
Action Type: RESPONSE
Date: 08/23/1993
Action: Unauthorized Release Form

Global Id: T0606500340
Action Type: REMEDIATION
Date: 07/29/1993
Action: Excavation

Global Id: T0606500340
Action Type: RESPONSE
Date: 06/21/1994
Action: CAP/RAP - Other Report

Global Id: T0606500340
Action Type: RESPONSE
Date: 06/27/1994
Action: Soil and Water Investigation Report

Global Id: T0606500340
Action Type: RESPONSE
Date: 03/23/1994
Action: Soil and Water Investigation Workplan

Global Id: T0606500340
Action Type: ENFORCEMENT
Date: 07/17/1995
Action: Closure/No Further Action Letter - #RCDEH0717

Global Id: T0606500340
Action Type: ENFORCEMENT
Date: 08/30/1993
Action: Notice of Responsibility

Global Id: T0606500340
Action Type: REMEDIATION
Date: 06/27/1994
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500340
Action Type: Other
Date: 07/29/1993
Action: Leak Discovery

Global Id: T0606500340
Action Type: Other
Date: 07/29/1993
Action: Leak Stopped

Global Id: T0606500340
Action Type: ENFORCEMENT
Date: 07/16/1995
Action: File review - #RCDEH Uploaded Site File 6/4/2015

Global Id: T0606500340

INLAND FRAME & DESIGN (Continued) **S100937393**

Action Type: Other
Date: 08/20/1993
Action: Leak Reported

LUST:
Global Id: T0606500340
Status: Open - Case Begin Date
Status Date: 07/29/1993

Global Id: T0606500340
Status: Open - Site Assessment
Status Date: 08/20/1993

Global Id: T0606500340
Status: Open - Remediation
Status Date: 06/27/1994

Global Id: T0606500340
Status: Completed - Case Closed
Status Date: 07/17/1995

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 93775
Employee: Boltinghous-LOP
Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed
Casetype Decode: Soil only is impacted
Fstatus Decode: Closed/Action completed

R69 **INLAND FRAME & DESIGN** **LUST** **S101300559**
NNE **3596 COMMERCE ST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.333 mi.
1756 ft. **Site 6 of 6 in cluster R**

Relative:
Higher

Actual:
876 ft.

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083302339T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Vapor Extraction
Cross Street: 7TH
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606500340

INLAND FRAME & DESIGN (Continued) **S101300559**

How Stopped Date:	7/29/1993
Enter Date:	12/21/1993
Date Confirmation of Leak Began:	7/29/1993
Date Preliminary Assessment Began:	Not reported
Discover Date:	7/29/1993
Enforcement Date:	Not reported
Close Date:	7/17/1995
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	3/23/1994
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	6/21/1994
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/21/1993
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9804162
Longitude:	-117.3655349
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	2
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	RS
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

70
SW
1/4-1/2
0.361 mi.
1907 ft.

QUINLAN PROPERTY **LUST** **S103820909**
4616 VINE **HIST CORTESE** **N/A**
RIVERSIDE, CA 92507

Relative:
Higher

Actual:
873 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500276
Global Id:	T0606500276
Latitude:	33.9702380545294
Longitude:	-117.374062851521
Status:	Completed - Case Closed
Status Date:	07/21/1992
Case Worker:	SCB
RB Case Number:	083302089T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse

QUINLAN PROPERTY (Continued) **S103820909**

Local Case Number: 92494
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0606500276
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rose.scott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0606500276
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:
Global Id: T0606500276
Action Type: ENFORCEMENT
Date: 07/21/1992
Action: Closure/No Further Action Letter - #RCDEH0721

Global Id: T0606500276
Action Type: Other
Date: 05/28/1992
Action: Leak Discovery

Global Id: T0606500276
Action Type: Other
Date: 05/28/1992
Action: Leak Stopped

Global Id: T0606500276
Action Type: ENFORCEMENT
Date: 07/20/1992
Action: File review - #RCDEH upload site file 8/26/2015

Global Id: T0606500276
Action Type: Other
Date: 06/02/1992
Action: Leak Reported

LUST:
Global Id: T0606500276
Status: Open - Case Begin Date
Status Date: 05/28/1992

Global Id: T0606500276
Status: Open - Site Assessment

QUINLAN PROPERTY (Continued) **S103820909**

Status Date:	06/02/1992
Global Id:	T0606500276
Status:	Open - Site Assessment
Status Date:	06/11/1992
Global Id:	T0606500276
Status:	Completed - Case Closed
Status Date:	07/21/1992

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083302089T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	14TH
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	Corrosion
Leak Source:	Tank
Global ID:	T0606500276
How Stopped Date:	5/28/1992
Enter Date:	7/20/1992
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/28/1992
Enforcement Date:	Not reported
Close Date:	7/21/1992
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/20/1992
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9702023
Longitude:	-117.3739581
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

QUINLAN PROPERTY (Continued) **S103820909**

MTBE Class:	*
Staff:	RS
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	DIESEL ALSO

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	92494
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083302089T

S71 **3008 5TH STREET** **US BROWNFIELDS** **1016345328**
NNE **3008 5TH STREET** **FINDS** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.378 mi.
1994 ft. **Site 1 of 2 in cluster S**

Relative:
Higher

Actual:
883 ft.

US BROWNFIELDS:

Property Name:	3008 5TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-071-004
Parcel size:	0
Latitude:	33.98182
Longitude:	-117.36268
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15985
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement

3008 5TH STREET (Continued) **1016345328**

Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside Scrap Iron and Metal Corporation
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported

3008 5TH STREET (Continued) **1016345328**

Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1772
Below Poverty Percent:	33.1%
Meidan Income:	7414
Meidan Income Number:	3592
Meidan Income Percent:	67.1%
Vacant Housing Number:	260
Vacant Housing Percent:	16.3%
Unemployed Number:	414
Unemployed Percent:	7.7%

3008 5TH STREET (Continued) **1016345328**

FINDS:

Registry ID: 110038693651

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

S72 **2992 5TH STREET** **US BROWNFIELDS** **1010367197**
NNE **2992 5TH STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.378 mi.
1994 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
884 ft.

US BROWNFIELDS:

Property Name:	2992 5TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-071-005
Parcel size:	0
Latitude:	33.98182
Longitude:	-117.36268
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15988
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Donald and Marjorie Hazen
Did Owner Change:	Not reported

2992 5TH STREET (Continued) **1010367197**

Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

2992 5TH STREET (Continued) **1010367197**

Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1772
Below Poverty Percent:	33.1%
Meidan Income:	7414
Meidan Income Number:	3592
Meidan Income Percent:	67.1%
Vacant Housing Number:	260
Vacant Housing Percent:	16.3%
Unemployed Number:	414
Unemployed Percent:	7.7%

T73 **WEST COAST WIRE & STEEL** **LUST** **S105025882**
NNE **3120 05TH** **HIST CORTESE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.386 mi.
2039 ft. **Site 1 of 9 in cluster T**

Relative:
Higher

Actual:
878 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500132
Global Id:	T0606500132
Latitude:	33.9813580947621
Longitude:	-117.364595022793
Status:	Completed - Case Closed
Status Date:	03/06/1990

WEST COAST WIRE & STEEL (Continued) **S105025882**

Case Worker:	RIV
RB Case Number:	083301237T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	89363
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0606500132
Contact Type:	Regional Board Caseworker
Contact Name:	PATRICIA HANNON
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	phannon@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0606500132
Contact Type:	Local Agency Caseworker
Contact Name:	Riverside County LOP
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	Not reported
Phone Number:	9519558980

LUST:

Global Id:	T0606500132
Action Type:	ENFORCEMENT
Date:	11/03/1993
Action:	File review - #RCDEH Upload Site File 9/11/20105

Global Id:	T0606500132
Action Type:	Other
Date:	02/10/1989
Action:	Leak Discovery

Global Id:	T0606500132
Action Type:	ENFORCEMENT
Date:	11/04/1993
Action:	Closure/No Further Action Letter - #Riv Co Closure

Global Id:	T0606500132
Action Type:	Other
Date:	04/06/1992
Action:	Leak Stopped

Global Id:	T0606500132
Action Type:	Other
Date:	04/06/1992
Action:	Leak Reported

Global Id:	T0606500132
Action Type:	ENFORCEMENT
Date:	03/06/1990

WEST COAST WIRE & STEEL (Continued) **S105025882**

Action: Closure/No Further Action Letter

LUST:

Global Id: T0606500132
Status: Open - Case Begin Date
Status Date: 02/10/1989

Global Id: T0606500132
Status: Open - Site Assessment
Status Date: 07/26/1989

Global Id: T0606500132
Status: Completed - Case Closed
Status Date: 03/06/1990

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083301237T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Misc. Motor Vehicle Fuels
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	MULBERRY
Enf Type:	CLOS
Funding:	Federal Funds
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	Spill
Leak Source:	Tank
Global ID:	T0606500132
How Stopped Date:	2/10/1989
Enter Date:	9/5/1989
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	7/26/1989
Discover Date:	2/10/1989
Enforcement Date:	1/1/1965
Close Date:	3/6/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/5/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	33.9793165
Longitude:	-117.339662

WEST COAST WIRE & STEEL (Continued) **S105025882**

MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301237T

T74 **5TH AND COMMERCE STREETS (FRANKEL)** **US BROWNFIELDS** **1016345324**
NNE **5TH STREET AND COMMERCE STREET** **FINDS** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.390 mi.
2060 ft. **Site 2 of 9 in cluster T**

Relative:
Higher

Actual:
879 ft.

US BROWNFIELDS:

Property Name:	5TH AND COMMERCE STREETS (FRANKEL)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-071-024
Parcel size:	1.36
Latitude:	33.98144
Longitude:	-117.365169
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15981
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported

5TH AND COMMERCE STREETS (FRANKEL) (Continued) **1016345324**

Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Samuel and Muriel Frankel
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported

5TH AND COMMERCE STREETS (FRANKEL) (Continued) **1016345324**

Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1532
Below Poverty Percent:	34.3%
Meidan Income:	6600
Meidan Income Number:	2999
Meidan Income Percent:	67.1%
Vacant Housing Number:	246
Vacant Housing Percent:	17.5%
Unemployed Number:	345
Unemployed Percent:	7.7%

FINDS:

Registry ID: 110038693615

5TH AND COMMERCE STREETS (FRANKEL) (Continued) **1016345324**

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

T75 NNE 1/4-1/2 0.390 mi. 2060 ft. | **5TH AND COMMERCE STREETS (LERNER)** | **US BROWNFIELDS** | **1010367199**

5TH STREET AND COMMERCE STREET **N/A**

RIVERSIDE, CA 92507

Site 3 of 9 in cluster T

Relative: Higher

Actual: 879 ft.

US BROWNFIELDS:

Property Name:	5TH AND COMMERCE STREETS (LERNER)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-071-001
Parcel size:	.63
Latitude:	33.98144
Longitude:	-117.365169
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15990
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Sidney Lerner
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported

5TH AND COMMERCE STREETS (LERNER) (Continued) **1010367199**

IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported

5TH AND COMMERCE STREETS (LERNER) (Continued) **1010367199**

Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1532
Below Poverty Percent:	34.3%
Meidan Income:	6600
Meidan Income Number:	2999
Meidan Income Percent:	67.1%
Vacant Housing Number:	246
Vacant Housing Percent:	17.5%
Unemployed Number:	345
Unemployed Percent:	7.7%

T76 **5TH AND COMMERCE STREETS (ZAMORA)** **US BROWNFIELDS** **1010367200**
NNE **5TH STREET AND COMMERCE STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.390 mi.
2060 ft. **Site 4 of 9 in cluster T**

Relative:
Higher

Actual:
879 ft.

US BROWNFIELDS:

Property Name:	5TH AND COMMERCE STREETS (ZAMORA)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-023
Parcel size:	0
Latitude:	33.98144
Longitude:	-117.365169
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15991

5TH AND COMMERCE STREETS (ZAMORA) (Continued) **1010367200**

IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Pedro and Maria Zamora
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported

5TH AND COMMERCE STREETS (ZAMORA) (Continued) **1010367200**

PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported

5TH AND COMMERCE STREETS (ZAMORA) (Continued) **1010367200**

Below Poverty Number:	1532
Below Poverty Percent:	34.3%
Meidan Income:	6600
Meidan Income Number:	2999
Meidan Income Percent:	67.1%
Vacant Housing Number:	246
Vacant Housing Percent:	17.5%
Unemployed Number:	345
Unemployed Percent:	7.7%

T77
NNE
1/4-1/2
0.390 mi.
2060 ft.

5TH AND COMMERCE STREETS (SPTC) **US BROWNFIELDS** **1010367207**
5TH STREET AND COMMERCE STREET **N/A**
RIVERSIDE, CA 92507

Site 5 of 9 in cluster T

Relative:
Higher

Actual:
879 ft.

US BROWNFIELDS:

Property Name:	5TH AND COMMERCE STREETS (SPTC)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-071-023
Parcel size:	.45
Latitude:	33.98144
Longitude:	-117.365169
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15998
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Southern Pacific Transportation Company
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported

5TH AND COMMERCE STREETS (SPTC) (Continued) **1010367207**

IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported

5TH AND COMMERCE STREETS (SPTC) (Continued) **1010367207**

Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1532
Below Poverty Percent:	34.3%
Meidan Income:	6600
Meidan Income Number:	2999
Meidan Income Percent:	67.1%
Vacant Housing Number:	246
Vacant Housing Percent:	17.5%
Unemployed Number:	345
Unemployed Percent:	7.7%

T78 **WEST COAST WIRE AND STREET** **LUST** **S105035072**
NNE **3120 FIFTH STREET** **HIST UST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.391 mi.
2064 ft. **Site 6 of 9 in cluster T**

Relative:
Higher

Actual:
878 ft.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	89363
Employee:	Lehmann
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

HIST UST:

File Number:	0001FB04

WEST COAST WIRE AND STREET (Continued) **S105035072**

URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001FB04.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:

U79 **RIV. CO., AUTOMOTIVE MAINT** **LUST** **S101589849**
West **4293 ORANGE ST** **SWEEPS UST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501** **CA FID UST**
0.392 mi. **EMI**
2072 ft. **Site 1 of 2 in cluster U** **HIST CORTESE**

Relative:
Lower

Actual:
852 ft.

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Remedial action (cleanup) Underway
Case Number:	083301572T
Local Case Num:	90539
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Vapor Extraction
Cross Street:	12TH
Enf Type:	SEL
Funding:	Not reported
How Discovered:	Nuisance Conditions
How Stopped:	Not reported
Leak Cause:	Corrosion
Leak Source:	Piping
Global ID:	T0606500194
How Stopped Date:	Not reported
Enter Date:	6/26/1990
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	6/28/1990
Discover Date:	6/14/1990
Enforcement Date:	1/1/1965
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	5/29/1992

RIV. CO., AUTOMOTIVE MAINT (Continued) **S101589849**

Date Remedial Action Underway:	7/15/1993
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	6/26/1990
GW Qualifies:	<
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9765612
Longitude:	-117.3764192
MTBE Date:	3/5/1999
Max MTBE GW:	10
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	B
Staff:	RS
Staff Initials:	SCB
Lead Agency:	Regional Board
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	64692
Number:	4
Board Of Equalization:	44-017841
Referral Date:	10-29-92
Action Date:	10-29-92
Created Date:	02-29-88
Owner Tank Id:	001055
SWRCB Tank Id:	33-000-064692-000001
Tank Status:	A
Capacity:	10000
Active Date:	10-29-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Active
Comp Number:	64692
Number:	4
Board Of Equalization:	44-017841
Referral Date:	10-29-92
Action Date:	10-29-92
Created Date:	02-29-88
Owner Tank Id:	001055
SWRCB Tank Id:	33-000-064692-000002
Tank Status:	A

RIV. CO., AUTOMOTIVE MAINT (Continued) **S101589849**

Capacity:	10000
Active Date:	10-29-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	64692
Number:	4
Board Of Equalization:	44-017841
Referral Date:	10-29-92
Action Date:	10-29-92
Created Date:	02-29-88
Owner Tank Id:	001055
SWRCB Tank Id:	33-000-064692-000003
Tank Status:	A
Capacity:	6000
Active Date:	10-29-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	64692
Number:	4
Board Of Equalization:	44-017841
Referral Date:	10-29-92
Action Date:	10-29-92
Created Date:	02-29-88
Owner Tank Id:	001055
SWRCB Tank Id:	33-000-064692-000004
Tank Status:	A
Capacity:	300
Active Date:	10-29-92
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	64692
Number:	4
Board Of Equalization:	44-017841
Referral Date:	10-29-92
Action Date:	10-29-92
Created Date:	02-29-88
Owner Tank Id:	001055
SWRCB Tank Id:	33-000-064692-000005
Tank Status:	A
Capacity:	10000
Active Date:	10-29-92
Tank Use:	M.V. FUEL
STG:	P
Content:	METHANOL
Number Of Tanks:	Not reported

RIV. CO., AUTOMOTIVE MAINT (Continued) **S101589849**

CA FID UST:

Facility ID:	33000275
Regulated By:	UTNKA
Regulated ID:	00064692
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147876322
Mail To:	Not reported
Mailing Address:	4293 ORANGE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92501
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

EMI:

Year:	1990
County Code:	33
Air Basin:	SC
Facility ID:	31717
Air District Name:	SC
SIC Code:	9621
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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301572T

U80 **RIVERSIDE COUNTY GARAGE** **LUST** **U001576297**
West **4293 ORANGE ST** **HIST UST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.392 mi.
2072 ft. **Site 2 of 2 in cluster U**

Relative:
Lower

Actual:
852 ft.

LUST:

Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500194
Global Id:	T0606500194
Latitude:	33.9765612
Longitude:	-117.3764192

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

Status:	Completed - Case Closed
Status Date:	07/01/2010
Case Worker:	RS
RB Case Number:	083301572T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Not reported
Local Case Number:	90539
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	An unauthorized release of gasoline occurred at the site. The release was discovered on June 14, 1990 in response to complaints of nuisance conditions created from a piping leak. Product was observed seeping out of cracks in the concrete surface. The piping leak was caused by corrosion of the piping section near the eastern dispenser island. Samples collected from the excavation repair trench on June 15, 1990 indicated 180,000 milligrams per kilogram (mg/kg) of total petroleum hydrocarbons as gasoline (TPH-g) in soil at 6 feet. This represents the worst case conditions at the site prior to remediation as shown on the table in Section III above. However, the samples were not analyzed for volatile organics. The piping leak was repaired with excavated soil returned as backfill. From August 14 to 24, 1990, a preliminary assessment was performed consisting of four vertical borings around the dispensers and one slant boring beneath the eastern dispenser piping (ESE, October 5, 1990). The highest concentrations of the detected aromatic volatile organic compounds: benzene, toluene, ethylbenzene and xylenes (BTEX) are shown on the table in Section III above. Although these were the highest concentrations of BTEX detected, they may not represent the worst case conditions prior to remediation. For example, benzene was 240 mg/kg and the sample contained 8,000 mg/kg of TPH-g. The samples were not analyzed for the full suite of volatile organic compounds. In January and May 1992, corrective action plans were submitted. From January to November 1992, A Phase II Environmental Assessment was conducted that consisted of installing four vapor extraction wells, two vapor monitoring well clusters, three groundwater monitoring wells and several cone penetrometer borings, conducting a vapor extraction test and performing multiple phases of soil vapor sampling (ESE, January 18, 1993). The highest concentration of benzene detected was 1,200 micrograms per liter (lJg/l) in the groundwater sample collected from MW2 on November 28, 1992. The compound, 1,1,1-trichloroethane, was detected at its highest concentration represented on the table. In April 1993, one groundwater monitoring well and four vapor wells were installed (ESE, October 15, 1993). The wells were designed to meet additional assessment requirements and provide support to the existing vapor extraction system. Groundwater monitoring was conducted from November 1992 until May 2000. The groundwater beneath the site has ranged from a depth of approximately 60 to 77 feet below surface. Low levels (less than 50 micrograms per liter [lJg/l]) of chlorinated hydrocarbons have been detected in the groundwater historically at this site. The highest concentrations of TPH-g and benzene reported were 19,000 and 4,000 IJg/1 in December 1993. According to the groundwater monitoring report, dated May 30, 2000, TPH-g (410 IJg/l) and benzene (0.96 IJg/l) were detected in one well. No other fuel constituents were detected in groundwater in May of 2000. MtBE and the other fuel oxygenates have never been detected in groundwater. Post remedial groundwater monitoring was conducted on May 6, 2008. TPH-g and BTEX were not detected. Low levels of

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

chlorinated compounds were detected at concentrations less than 5 lJg/1. Vapor extraction was conducted intermittently from September 1992 until May 10, 1999 (total operation period of 5 years and 4 months). This vapor extraction effort removed 3,336 pounds of hydrocarbon Riverside County Garage - 5 - July 1, 2010 vapors from the subsurface. During vapor extraction efforts, the highest concentration of benzene reported was 760 ppmv in August 1993 and the highest TPH-g was 15,000 ppmv in January 1994. During a 3-day vapor extraction test conducted in August 2000, neither benzene nor MTBE were detected in the vapor samples collected from the four vapor wells throughout the test. The highest concentration of TPH-g was 1,638 parts per million by volume ppmv. Since 1997, the highest concentration of benzene in the vapor was 8.8 ppmv in April 1998. The only reported MtBE in vapor was 2.4 ppmv on June 10, 1997. From June 21 to 22, 2008 a vapor extraction rebound test was conducted using a new well, SVE-1 installed on June 20, 2008 to facilitate testing in the area found to contain residual concentrations of petroleum hydrocarbons in the dispenser area during post remediation soil verification sampling. Benzene and MtBE were not detected in the vapor samples collected during the test. The highest concentration of TPH-g was 1,600 ppmv. In August 1999, the tanks and piping were removed or upgraded. A limited amount of soil was removed and transported offsite as non-hazardous waste. During the tank removal and upgrade, sampling indicated generally decreased concentrations of petroleum hydrocarbons. Methyl tertiary butyl ether (MtBE) was reported for six soil samples using EPA Method 8021 B; however, it was not confirmed using EPA Method 8260. The highest concentration reported was 12 mg/kg in a soil sample collected from beneath the eastern dispenser piping as shown on the table in Section III above. The results of post remedial soil verification sampling in May 2008 are presented on the after column in the table in Section III above. The petroleum hydrocarbon concentrations have significantly reduced and the worst case results are limited beneath the canopy of the existing fuel dispensing area. Based on the results of the assessment and remediation activities conducted to date: The source of gasoline in soil was identified and repaired or replaced; The site is currently an active fueling facility; The active underground storage tank and fuel dispensing systems were upgraded in 1999; The soil and groundwater contaminant plumes have been defined; MtBE was detected in a limited number of soil, vapor and groundwater samples collected at the site; Soil vapor extraction removed more than 3,000 pounds of petroleum hydrocarbons from the subsurface; Soil, vapor and groundwater verification sampling indicated significant decreases in residual petroleum hydrocarbon concentrations; and Petroleum hydrocarbon concentrations in groundwater confirmation samples were within acceptable limits for closure. Therefore, no further action is recommended at this site.

LUST:

Global Id:	T0606500194
Contact Type:	Regional Board Caseworker
Contact Name:	ROSE SCOTT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	rose.scott@waterboards.ca.gov
Phone Number:	9513206375

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

Global Id: T0606500194
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/01/2010
Action: Staff Letter

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 03/12/2003
Action: * Verbal Communication

Global Id: T0606500194
Action Type: REMEDIATION
Date: 06/21/2008
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 06/05/2003
Action: Staff Letter

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/22/2005
Action: * No Action

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/22/2005
Action: * No Action

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 06/12/2008
Action: Staff Letter

Global Id: T0606500194
Action Type: RESPONSE
Date: 09/15/2005
Action: Soil and Water Investigation Workplan

Global Id: T0606500194
Action Type: RESPONSE
Date: 10/01/2005
Action: Soil and Water Investigation Report

Global Id: T0606500194
Action Type: ENFORCEMENT

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

Date: 03/03/2003
Action: * Historical Enforcement

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/19/2005
Action: * No Action

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 03/18/2006
Action: Verbal Enforcement

Global Id: T0606500194
Action Type: RESPONSE
Date: 04/04/2005
Action: Other Report / Document

Global Id: T0606500194
Action Type: RESPONSE
Date: 07/11/2005
Action: Other Report / Document

Global Id: T0606500194
Action Type: Other
Date: 06/14/1990
Action: Leak Discovery

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 03/03/2003
Action: File review - #RCDEH uploaded site files 9/24/2015

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 01/05/2010
Action: Meeting

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Staff Letter

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 01/21/2010
Action: Notification - Preclosure

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 01/12/2010
Action: Staff Letter

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/01/2010
Action: Closure/No Further Action Letter

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/31/2003
Action: Staff Letter

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 08/20/2009
Action: Verbal Enforcement

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 07/28/2009
Action: File review

Global Id: T0606500194
Action Type: RESPONSE
Date: 03/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0606500194
Action Type: REMEDIATION
Date: 09/01/1992
Action: Soil Vapor Extraction (SVE)

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 04/30/2008
Action: Meeting

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 06/05/2008
Action: Staff Letter

Global Id: T0606500194
Action Type: ENFORCEMENT
Date: 01/08/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500194
Action Type: Other
Date: 06/26/1990
Action: Leak Reported

Global Id: T0606500194
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Workplan

Global Id: T0606500194
Action Type: REMEDIATION
Date: 09/01/1991
Action: Excavation

Global Id: T0606500194
Action Type: REMEDIATION

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

Date: 08/06/1999
Action: Excavation

LUST:
Global Id: T0606500194
Status: Open - Case Begin Date
Status Date: 06/14/1990

Global Id: T0606500194
Status: Open - Site Assessment
Status Date: 06/28/1990

Global Id: T0606500194
Status: Open - Remediation
Status Date: 05/29/1992

Global Id: T0606500194
Status: Open - Remediation
Status Date: 07/15/1993

Global Id: T0606500194
Status: Open - Verification Monitoring
Status Date: 09/23/2008

Global Id: T0606500194
Status: Completed - Case Closed
Status Date: 07/01/2010

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 90539
Employee: Boltinghous-LOP
Site Closed: Referred to Water Board
Case Type: Drinking Water Aquifer affected
Facility Status: 0
Casetype Decode: An Aquifer used for Drinking Water supply has been contaminated.
Fstatus Decode: Not reported

HIST UST:
File Number: 0001F596
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F596.pdf
Region: STATE
Facility ID: 00000064692
Facility Type: Gas Station
Other Type: VEHICLE REPAIR SHOPS
Contact Name: ARDELL ROUSE
Telephone: 7147876322
Owner Name: COUNTY OF RIVERSIDE, AUTOMOTIV
Owner Address: 4293 ORANGE ST.
Owner City,St,Zip: RIVERSIDE, CA 92501
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported

RIVERSIDE COUNTY GARAGE (Continued) **U001576297**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

81
East
1/4-1/2
0.393 mi.
2076 ft.

STOP N' GO #1065
2371 UNIVERSITY AVE
RIVERSIDE, CA 92507

LUST **S102427902**
HIST CORTESE **N/A**

Relative:
Higher

Actual:
912 ft.

LUST:

Lead Agency:	RIVERSIDE COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500221
Global Id:	T0606500221
Latitude:	33.9758533597229
Longitude:	-117.360736250332
Status:	Completed - Case Closed
Status Date:	10/26/1995
Case Worker:	SCB
RB Case Number:	083301742T
Local Agency:	RIVERSIDE COUNTY LOP
File Location:	Local Agency Warehouse
Local Case Number:	91016
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

STOP N' GO #1065 (Continued) **S102427902**

LUST:

Global Id:	T0606500221
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	cbernhardt@waterboards.ca.gov
Phone Number:	9517824495

Global Id:	T0606500221
Contact Type:	Local Agency Caseworker
Contact Name:	SHARON BOLTINGHOUSE
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	sbolting@rivco.org
Phone Number:	9519558980

LUST:

Global Id:	T0606500221
Action Type:	ENFORCEMENT
Date:	10/25/1995
Action:	File review - #RCDEH Upload Site File 1/16/2015

Global Id:	T0606500221
Action Type:	Other
Date:	12/28/1990
Action:	Leak Discovery

Global Id:	T0606500221
Action Type:	ENFORCEMENT
Date:	10/26/1995
Action:	Closure/No Further Action Letter - #RCDEH1026

Global Id:	T0606500221
Action Type:	Other
Date:	01/10/1991
Action:	Leak Reported

Global Id:	T0606500221
Action Type:	REMEDIATION
Date:	02/23/1995
Action:	Excavation

LUST:

Global Id:	T0606500221
Status:	Open - Case Begin Date
Status Date:	12/28/1990

Global Id:	T0606500221
Status:	Open - Site Assessment
Status Date:	01/10/1991

Global Id:	T0606500221
Status:	Open - Site Assessment

STOP N' GO #1065 (Continued) **S102427902**

Status Date:	02/28/1991
Global Id:	T0606500221
Status:	Open - Verification Monitoring
Status Date:	02/09/1994
Global Id:	T0606500221
Status:	Completed - Case Closed
Status Date:	10/26/1995

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083301742T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	SEDGEWICK
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500221
How Stopped Date:	Not reported
Enter Date:	1/12/1991
Date Confirmation of Leak Began:	12/28/1990
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/28/1990
Enforcement Date:	Not reported
Close Date:	10/26/1995
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/12/1991
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9755673
Longitude:	-117.3605127
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.

STOP N' GO #1065 (Continued) **S102427902**

MTBE Class:	*
Staff:	CAB
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	91016
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301742T

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82 **N OF 11TH ST, ON S SIDE OF BLOCK** **US BROWNFIELDS** **1010698426**
WNW **N OF 11TH ST, ON S SIDE OF BLOCK** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.400 mi.
2111 ft.

Relative:
Lower

Actual:
850 ft.

US BROWNFIELDS:

Property Name:	N OF 11TH ST, ON S SIDE OF BLOCK
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215091013.0
Parcel size:	.07
Latitude:	33.978545
Longitude:	-117.375479
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	64977
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement

N OF 11TH ST, ON S SIDE OF BLOCK (Continued) **1010698426**

Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Justin D Tracy
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported

N OF 11TH ST, ON S SIDE OF BLOCK (Continued) **1010698426**

Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	655
Below Poverty Percent:	24.5%
Meidan Income:	5780
Meidan Income Number:	1044
Meidan Income Percent:	39.1%
Vacant Housing Number:	96
Vacant Housing Percent:	10.9%
Unemployed Number:	187
Unemployed Percent:	7.0%

T83 NNE 1/4-1/2 0.405 mi. 2139 ft. | **3496 COMMERCE STREET**
3496 COMMERCE STREET
RIVERSIDE, CA 92507

US BROWNFIELDS | **1010367203**
N/A

Site 7 of 9 in cluster T

Relative: Higher

Actual: 881 ft.

US BROWNFIELDS:

Property Name:	3496 COMMERCE STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-003
Parcel size:	0
Latitude:	33.98182
Longitude:	-117.36485
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15994
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Donna Gilmore
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

3496 COMMERCE STREET (Continued) **1010367203**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

3496 COMMERCE STREET (Continued) **1010367203**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1502
Below Poverty Percent:	34.3%
Meidan Income:	6600
Meidan Income Number:	2940
Meidan Income Percent:	67.1%
Vacant Housing Number:	245
Vacant Housing Percent:	17.7%
Unemployed Number:	341
Unemployed Percent:	7.8%

T84 **WEILAND & COMPANY** **ENVIROSTOR** **S107737593**
NNE **3491 COMMERCE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.419 mi.
2212 ft. **Site 8 of 9 in cluster T**

Relative:
Higher

Actual:
878 ft.

ENVIROSTOR:

Facility ID:	60000227
Status:	Inactive - Needs Evaluation
Status Date:	03/06/2006
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.1
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	64
Senate:	31
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.98156
Longitude:	-117.3651
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED

WEILAND & COMPANY (Continued) **S107737593**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60000227
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: 06/13/2006
Comments: EPA Concurrence June 13,2006.

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

T85 **3460 COMMERCE STREET** **US BROWNFIELDS** **1010382076**
NNE **3460 COMMERCE STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.424 mi.
2239 ft. **Site 9 of 9 in cluster T**

Relative:
Higher

Actual:
880 ft.

US BROWNFIELDS:
Property Name: 3460 COMMERCE STREET
Recipient Name: Riverside, City of
Grant Type: Assessment
Property Number: 211-022-002
Parcel size: 0
Latitude: 33.98362
Longitude: -117.36485
HCM Label: Address Matching-House Number
Map Scale: 1:24,000
Point of Reference: Center of a Facility or Station
Highlights: Not reported
Datum: Not reported
Acres Property ID: 16004
IC Data Access: Not reported
Start Date: Not reported
Redev Completition Date: Not reported
Completed Date: Not reported
Acres Cleaned Up: Not reported
Cleanup Funding: Not reported
Cleanup Funding Source: Not reported
Assessment Funding: 6641
Assessment Funding Source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding: Not reported
Redev. Funding Source: Not reported
Redev. Funding Entity Name: Not reported
Redevelopment Start Date: Not reported
Assessment Funding Entity: Not reported
Cleanup Funding Entity: Not reported

3460 COMMERCE STREET (Continued) **1010382076**

Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Tilden Coil Constructors, Inc.
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported

3460 COMMERCE STREET (Continued) **1010382076**

Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1508
Below Poverty Percent:	34.3%
Meidan Income:	7268
Meidan Income Number:	2923
Meidan Income Percent:	66.6%
Vacant Housing Number:	262
Vacant Housing Percent:	18.5%
Unemployed Number:	346
Unemployed Percent:	7.9%

V86 NW 1/4-1/2 0.452 mi. 2389 ft. | **26 PARCELS WITHIN UNIVERSITY CORRIDOR REDEVELOPMEN UNKNOWN RIVERSIDE, CA 92501** | **US BROWNFIELDS FINDS** | **1023618711 N/A**

Site 1 of 2 in cluster V

Relative: Lower

Actual: 851 ft.

US BROWNFIELDS:

Property Name:	26 PARCELS WITHIN UNIVERSITY CORRIDOR REDEVELOPMENT PROJECT AREA
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	33.981651
Longitude:	-117.373871
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15976
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	96912801
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

26 PARCELS WITHIN UNIVERSITY CORRIDOR REDEVELOPMENT PROJECT (Continued) **1023618711**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

26 PARCELS WITHIN UNIVERSITY CORRIDOR REDEVELOPMENT PROJECT (Continued) **1023618711**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1062
Below Poverty Percent:	27.4%
Meidan Income:	8696
Meidan Income Number:	1834
Meidan Income Percent:	47.3%
Vacant Housing Number:	309
Vacant Housing Percent:	18.4%
Unemployed Number:	272
Unemployed Percent:	7.0%

FINDS:

Registry ID: 110070068711

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

W87 **3008 4TH STREET** **US BROWNFIELDS** **1010367202**
NNE **3008 4TH STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.453 mi.
2390 ft. **Site 1 of 5 in cluster W**

Relative:
Higher

Actual:
885 ft.

US BROWNFIELDS:

Property Name:	3008 4TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-005
Parcel size:	0
Latitude:	33.98362
Longitude:	-117.36269
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000

3008 4TH STREET (Continued) **1010367202**

Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15993
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Starcev Miroslav
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported

3008 4TH STREET (Continued) **1010367202**

Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported

3008 4TH STREET (Continued) **1010367202**

Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1689
Below Poverty Percent:	33.6%
Meidan Income:	6770
Meidan Income Number:	3371
Meidan Income Percent:	67.1%
Vacant Housing Number:	258
Vacant Housing Percent:	16.8%
Unemployed Number:	401
Unemployed Percent:	8.0%

W88 **2992 4TH STREET** **US BROWNFIELDS** **1010367201**
NNE **2992 4TH STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.453 mi.
2390 ft. **Site 2 of 5 in cluster W**

Relative:
Higher

Actual:
885 ft.

US BROWNFIELDS:

Property Name:	2992 4TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-006
Parcel size:	0
Latitude:	33.98362
Longitude:	-117.36269
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15992
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Lozano Seferino
Did Owner Change:	Not reported

2992 4TH STREET (Continued) **1010367201**

Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

2992 4TH STREET (Continued) **1010367201**

Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1747
Below Poverty Percent:	33.2%
Meidan Income:	6922
Meidan Income Number:	3519
Meidan Income Percent:	66.9%
Vacant Housing Number:	264
Vacant Housing Percent:	16.6%
Unemployed Number:	417
Unemployed Percent:	7.9%

W89 **3070 4TH STREET** **US BROWNFIELDS** **1010367204**
NNE **3070 4TH STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.454 mi.
2398 ft. **Site 3 of 5 in cluster W**

Relative:
Higher

Actual:
882 ft.

US BROWNFIELDS:

Property Name:	3070 4TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-001
Parcel size:	0
Latitude:	33.98362
Longitude:	-117.36485
HCM Label:	Address Matching-House Number

3070 4TH STREET (Continued) **1010367204**

Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15995
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Tilden Coil Constructors, Inc.
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported

3070 4TH STREET (Continued) **1010367204**

Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported

3070 4TH STREET (Continued) **1010367204**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1550
Below Poverty Percent:	34.8%
Meidan Income:	11041
Meidan Income Number:	2934
Meidan Income Percent:	65.9%
Vacant Housing Number:	276
Vacant Housing Percent:	18.9%
Unemployed Number:	349
Unemployed Percent:	7.8%

X90 WNW 1/4-1/2 0.459 mi. 2422 ft. **GRIN CHEMICAL COMPANY** **ENVIROSTOR** **S100201721**
3972 MAIN STREET **N/A**
RIVERSIDE, CA 92501

Site 1 of 5 in cluster X

Relative: Lower
Actual: 849 ft.

ENVIROSTOR:

Facility ID:	33280007
Status:	No Further Action
Status Date:	04/01/1985
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:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	31
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.98194
Longitude:	-117.3744
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	31000-NO
Potential Description:	NMA
Alias Name:	ANTIMITE ASSOCIATES
Alias Type:	Alternate Name
Alias Name:	ATLASTA TRANSFORMER CO
Alias Type:	Alternate Name
Alias Name:	BADER TERMINEX COMPANY
Alias Type:	Alternate Name
Alias Name:	BEST MAINTENANCE SUPPLY CO
Alias Type:	Alternate Name
Alias Name:	BREWER & WILSON TERMITE CONTROL
Alias Type:	Alternate Name

GRIN CHEMICAL COMPANY (Continued) **S100201721**

Alias Name: C B BELDEN TERMITE CONTROL
Alias Type: Alternate Name
Alias Name: RIVERSIDE CITY HALL
Alias Type: Alternate Name
Alias Name: CAD980884951
Alias Type: EPA Identification Number
Alias Name: 33280007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/01/1985
Comments: T/C W/ F.NALL, CITY SENIOR PLANNER - GRIN HAD AN OFFICE IN 3-STORY BLDG.BEFOR CITY HALL CONSTRUCTED. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/16/1982
Comments: FACILITY IDENTIFIED ID FROM OLD PHONE BOOK SEARCH 1950,1955

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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91 **SW MAIN ST AND 11TH ST** **US BROWNFIELDS** **1010695677**
WNW **SW MAIN ST AND 11TH ST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.461 mi.
2436 ft.

Relative: **Lower**
Actual: **849 ft.**

US BROWNFIELDS:
Property Name: SW MAIN ST AND 11TH ST
Recipient Name: Riverside Redevelopment Agency
Grant Type: Assessment
Property Number: 215252016.0
Parcel size: .27
Latitude: 33.979
Longitude: -117.376399
HCM Label: Not reported
Map Scale: Not reported
Point of Reference: Not reported
Highlights: Not reported
Datum: Not reported
Acres Property ID: 65019
IC Data Access: Not reported
Start Date: Not reported
Redev Completition Date: Not reported
Completed Date: Not reported

SW MAIN ST AND 11TH ST (Continued) **1010695677**

Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	John K Garner
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N

SW MAIN ST AND 11TH ST (Continued) **1010695677**

Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	1174
Below Poverty Percent:	16.5%
Meidan Income:	4330
Meidan Income Number:	3510

SW MAIN ST AND 11TH ST (Continued) **1010695677**

Meidan Income Percent:	49.2%
Vacant Housing Number:	38
Vacant Housing Percent:	1.9%
Unemployed Number:	563
Unemployed Percent:	7.9%

Y92 **NW MAIN ST AND 12TH ST** **US BROWNFIELDS** **1010695679**
WNW **NW MAIN ST AND 12TH ST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.463 mi.
2445 ft. **Site 1 of 7 in cluster Y**

Relative:
Lower

Actual:
846 ft.

US BROWNFIELDS:

Property Name:	NW MAIN ST AND 12TH ST
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215252019.0
Parcel size:	.75
Latitude:	33.97804
Longitude:	-117.377039
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65022
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	County of Riverside
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported

NW MAIN ST AND 12TH ST (Continued) **1010695679**

IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	N
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported

NW MAIN ST AND 12TH ST (Continued) **1010695679**

No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	602
Below Poverty Percent:	22.8%
Meidan Income:	8401
Meidan Income Number:	972
Meidan Income Percent:	36.8%
Vacant Housing Number:	74
Vacant Housing Percent:	8.7%
Unemployed Number:	193
Unemployed Percent:	7.3%

Z93 **4TH AND COMMERCE STREETS (RSIMC)** **US BROWNFIELDS** **1016345327**
NNE **4TH STREET AND COMMERCE STREET** **FINDS** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.468 mi.
2469 ft. **Site 1 of 3 in cluster Z**

Relative:
Higher

Actual:
881 ft.

US BROWNFIELDS:

Property Name:	4TH AND COMMERCE STREETS (RSIMC)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-027
Parcel size:	1.14
Latitude:	33.98242
Longitude:	-117.364509
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15984
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported

4TH AND COMMERCE STREETS (RSIMC) (Continued) **1016345327**

Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside Scrap Iron and Metal Corporation
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported

4TH AND COMMERCE STREETS (RSIMC) (Continued) **1016345327**

Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1550
Below Poverty Percent:	34.8%
Meidan Income:	11041

4TH AND COMMERCE STREETS (RSIMC) (Continued) **1016345327**

Meidan Income Number:	2934
Meidan Income Percent:	65.9%
Vacant Housing Number:	276
Vacant Housing Percent:	18.9%
Unemployed Number:	349
Unemployed Percent:	7.8%

FINDS:

Registry ID: 110038693642

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Z94 NNE 1/4-1/2 0.468 mi. 2469 ft. | **4TH AND COMMERCE STREETS (RCTC)** | **US BROWNFIELDS** | **1010367205**
4TH STREET AND COMMERCE STREET | **N/A**
RIVERSIDE, CA 92507

Site 2 of 3 in cluster Z

Relative: Higher
Actual: 881 ft.

US BROWNFIELDS:

Property Name:	4TH AND COMMERCE STREETS (RCTC)
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-022-025
Parcel size:	.66
Latitude:	33.98242
Longitude:	-117.364509
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15996
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment

4TH AND COMMERCE STREETS (RCTC) (Continued) **1010367205**

Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside County Transportation Commission
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported

4TH AND COMMERCE STREETS (RCTC) (Continued) **1010367205**

Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1550
Below Poverty Percent:	34.8%
Meidan Income:	11041
Meidan Income Number:	2934
Meidan Income Percent:	65.9%
Vacant Housing Number:	276
Vacant Housing Percent:	18.9%
Unemployed Number:	349
Unemployed Percent:	7.8%

Y95 WNW 1/4-1/2 0.474 mi. 2501 ft. | **4213 MAIN**
4213 MAIN
RIVERSIDE, CA 92501

Site 2 of 7 in cluster Y

US BROWNFIELDS | **1010695928**
N/A

Relative: Lower

Actual: 844 ft.

US BROWNFIELDS:

Property Name:	4213 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262015.0
Parcel size:	.15
Latitude:	33.977917
Longitude:	-117.377319
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65034
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Debbie S Marquez
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4213 MAIN (Continued) **1010695928**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	N
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4213 MAIN (Continued) **1010695928**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	584
Below Poverty Percent:	22.8%
Meidan Income:	8909
Meidan Income Number:	934
Meidan Income Percent:	36.5%
Vacant Housing Number:	72
Vacant Housing Percent:	8.9%
Unemployed Number:	185
Unemployed Percent:	7.2%

X96 **4075 MAIN** **US BROWNFIELDS** **1010695675**
WNW **4075 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.474 mi.
2504 ft. **Site 2 of 5 in cluster X**

Relative:
Lower

Actual:
849 ft.

US BROWNFIELDS:

Property Name:	4075 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215092012.0
Parcel size:	.47
Latitude:	33.979347
Longitude:	-117.376355
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65015
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

4075 MAIN (Continued) **1010695675**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	County of Riverside
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	N
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	N
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

4075 MAIN (Continued) **1010695675**

VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	786
Below Poverty Percent:	25.0%
Meidan Income:	5840
Meidan Income Number:	1296
Meidan Income Percent:	41.2%
Vacant Housing Number:	131
Vacant Housing Percent:	11.3%
Unemployed Number:	218
Unemployed Percent:	6.9%

Y97 **4229 MAIN** **US BROWNFIELDS** **1010695685**
WNW **4229 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.474 mi.
2505 ft. **Site 3 of 7 in cluster Y**

Relative:
Lower

Actual:
842 ft.

US BROWNFIELDS:

Property Name:	4229 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262006.0
Parcel size:	.17
Latitude:	33.977791
Longitude:	-117.37741
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65028
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Ivan C & Vivian M Metschke
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4229 MAIN (Continued) **1010695685**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4229 MAIN (Continued) **1010695685**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	568
Below Poverty Percent:	23.0%
Meidan Income:	8909
Meidan Income Number:	901
Meidan Income Percent:	36.4%
Vacant Housing Number:	70
Vacant Housing Percent:	9.0%
Unemployed Number:	176
Unemployed Percent:	7.1%

X98 **4049 MAIN** **US BROWNFIELDS** **1010695674**
WNW **4049 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.474 mi.
2505 ft. **Site 3 of 5 in cluster X**

Relative:
Lower

Actual:
849 ft.

US BROWNFIELDS:

Property Name:	4049 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215092011.0
Parcel size:	.18
Latitude:	33.979542
Longitude:	-117.376226
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65014
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

4049 MAIN (Continued) **1010695674**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Ernest A Zinke & Alma Trust Fershko, H Grace
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

4049 MAIN (Continued) **1010695674**

VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	843
Below Poverty Percent:	25.5%
Meidan Income:	6341
Meidan Income Number:	1390
Meidan Income Percent:	42.1%
Vacant Housing Number:	147
Vacant Housing Percent:	11.9%
Unemployed Number:	230
Unemployed Percent:	7.0%

X99 WNW 1/4-1/2 0.475 mi. 2507 ft. | **4015 MAIN**
4015 MAIN
RIVERSIDE, CA 92501

Site 4 of 5 in cluster X

US BROWNFIELDS | **1010695672**
N/A

Relative: Lower

Actual: 848 ft.

US BROWNFIELDS:

Property Name:	4015 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215092009.0
Parcel size:	.22
Latitude:	33.979798
Longitude:	-117.376058
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65012
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Ernest A Zinke & Alma Trust Fershko, H Grace
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4015 MAIN (Continued) **1010695672**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	N
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4015 MAIN (Continued) **1010695672**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	914
Below Poverty Percent:	26.7%
Meidan Income:	5483
Meidan Income Number:	1504
Meidan Income Percent:	44.0%
Vacant Housing Number:	169
Vacant Housing Percent:	12.8%
Unemployed Number:	230
Unemployed Percent:	6.7%

Y100 **4255 MAIN** **US BROWNFIELDS** **1010695686**
WNW **4255 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.475 mi.
2508 ft. **Site 4 of 7 in cluster Y**

Relative:
Lower

Actual:
842 ft.

US BROWNFIELDS:

Property Name:	4255 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262007.0
Parcel size:	.16
Latitude:	33.97759
Longitude:	-117.377544
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65029
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

4255 MAIN (Continued) **1010695686**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Ivan C & Vivian M Metschke
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

4255 MAIN (Continued) **1010695686**

VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	546
Below Poverty Percent:	22.8%
Meidan Income:	8909
Meidan Income Number:	860
Meidan Income Percent:	35.9%
Vacant Housing Number:	66
Vacant Housing Percent:	9.0%
Unemployed Number:	170
Unemployed Percent:	7.1%

Y101 **4261 MAIN** **US BROWNFIELDS** **1010695687**
WNW **4261 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.476 mi.
2512 ft. **Site 5 of 7 in cluster Y**

Relative:
Lower

Actual:
841 ft.

US BROWNFIELDS:

Property Name:	4261 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262008.0
Parcel size:	.17
Latitude:	33.977544
Longitude:	-117.377575
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65030
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Blueskyland
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4261 MAIN (Continued) **1010695687**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	N
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4261 MAIN (Continued) **1010695687**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	528
Below Poverty Percent:	22.5%
Meidan Income:	5204
Meidan Income Number:	833
Meidan Income Percent:	35.4%
Vacant Housing Number:	60
Vacant Housing Percent:	8.4%
Unemployed Number:	168
Unemployed Percent:	7.1%

102
NE
1/4-1/2
0.477 mi.
2516 ft.

2622 4TH STREET **US BROWNFIELDS** **1010367209**
2622 4TH STREET **N/A**
RIVERSIDE, CA 92507

Relative:
Higher

Actual:
892 ft.

US BROWNFIELDS:

Property Name:	2622 4TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-021-023
Parcel size:	1.36
Latitude:	33.98183
Longitude:	-117.36051
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	16000
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

2622 4TH STREET (Continued) **1010367209**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Crop Production Services, Inc.
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

2622 4TH STREET (Continued) **1010367209**

VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1715
Below Poverty Percent:	33.0%
Meidan Income:	5721
Meidan Income Number:	3485
Meidan Income Percent:	67.1%
Vacant Housing Number:	230
Vacant Housing Percent:	15.5%
Unemployed Number:	424
Unemployed Percent:	8.2%

Y103 **4267 MAIN** **US BROWNFIELDS** **1010695688**
West **4267 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.477 mi.
2516 ft. **Site 6 of 7 in cluster Y**

Relative:
Lower

Actual:
840 ft.

US BROWNFIELDS:

Property Name:	4267 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262009.0
Parcel size:	Not reported
Latitude:	33.977497
Longitude:	-117.377606
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65031
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Mario & Rosa Maria Cortez
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4267 MAIN (Continued) **1010695688**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4267 MAIN (Continued) **1010695688**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	536
Below Poverty Percent:	22.6%
Meidan Income:	5204
Meidan Income Number:	849
Meidan Income Percent:	35.8%
Vacant Housing Number:	61
Vacant Housing Percent:	8.5%
Unemployed Number:	169
Unemployed Percent:	7.1%

AA104 **4281 MAIN** **US BROWNFIELDS** **1010695927**
West **4281 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.477 mi.
2520 ft. **Site 1 of 4 in cluster AA**

Relative:
Lower

Actual:
840 ft.

US BROWNFIELDS:

Property Name:	4281 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262014.0
Parcel size:	.09
Latitude:	33.977389
Longitude:	-117.377679
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65033
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

4281 MAIN (Continued) **1010695927**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Richard P Faulkner & James E Egan
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

4281 MAIN (Continued) **1010695927**

VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	536
Below Poverty Percent:	22.6%
Meidan Income:	5204
Meidan Income Number:	849
Meidan Income Percent:	35.8%
Vacant Housing Number:	61
Vacant Housing Percent:	8.5%
Unemployed Number:	169
Unemployed Percent:	7.1%

W105 NNE 1/4-1/2 0.477 mi. 2521 ft. | **2991 4TH STREET**
2991 4TH STREET
RIVERSIDE, CA 92507

Site 4 of 5 in cluster W

US BROWNFIELDS | **1010367210**
N/A

Relative: Higher

Actual: 886 ft.

US BROWNFIELDS:

Property Name:	2991 4TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-021-019
Parcel size:	0
Latitude:	33.98182
Longitude:	-117.36268
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	16001
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Robert Wood, Cynthia Verdugo
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

2991 4TH STREET (Continued) **1010367210**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

2991 4TH STREET (Continued) **1010367210**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1766
Below Poverty Percent:	33.4%
Meidan Income:	7303
Meidan Income Number:	3542
Meidan Income Percent:	66.9%
Vacant Housing Number:	268
Vacant Housing Percent:	16.7%
Unemployed Number:	421
Unemployed Percent:	8.0%

AA106 **4295 MAIN** **US BROWNFIELDS** **1010695689**
West **4295 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.478 mi.
2525 ft. **Site 2 of 4 in cluster AA**

Relative:
Lower

Actual:
839 ft.

US BROWNFIELDS:

Property Name:	4295 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262010.0
Parcel size:	.17
Latitude:	33.977275
Longitude:	-117.377739
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65032
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

4295 MAIN (Continued) **1010695689**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	J F & James F Davidson
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	N
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

4295 MAIN (Continued) **1010695689**

VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	536
Below Poverty Percent:	22.6%
Meidan Income:	5204
Meidan Income Number:	849
Meidan Income Percent:	35.8%
Vacant Housing Number:	61
Vacant Housing Percent:	8.5%
Unemployed Number:	169
Unemployed Percent:	7.1%

Z107 NNE 1/4-1/2 0.479 mi. 2529 ft. | **3069 4TH STREET**
3069 4TH STREET
RIVERSIDE, CA 92507

US BROWNFIELDS FINDS | **1016345320**
N/A

Site 3 of 3 in cluster Z

Relative: Higher

Actual: 882 ft.

US BROWNFIELDS:

Property Name:	3069 4TH STREET
Recipient Name:	Riverside, City of
Grant Type:	Assessment
Property Number:	211-021-001
Parcel size:	.91
Latitude:	33.98362
Longitude:	-117.36485
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	15977
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	6641
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96912801
Start Date:	09/14/2005 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/14/2005 00:00:00
Current Owner:	Riverside/Fourth LLC
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

3069 4TH STREET (Continued) **1016345320**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

3069 4TH STREET (Continued) **1016345320**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1550
Below Poverty Percent:	34.8%
Meidan Income:	11041
Meidan Income Number:	2934
Meidan Income Percent:	65.9%
Vacant Housing Number:	276
Vacant Housing Percent:	18.9%
Unemployed Number:	349
Unemployed Percent:	7.8%

FINDS:

Registry ID: 110038693571

Environmental Interest/Information System
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AA108 **4307 MAIN** **US BROWNFIELDS** **1010695934**
West **4307 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.482 mi.
2546 ft. **Site 3 of 4 in cluster AA**

Relative:
Lower

Actual:
839 ft.

US BROWNFIELDS:

Property Name:	4307 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215272004.0
Parcel size:	.23
Latitude:	33.976999
Longitude:	-117.37794
HCM Label:	Not reported
Map Scale:	Not reported

4307 MAIN (Continued) **1010695934**

Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65043
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Christopher S Robertson
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N

4307 MAIN (Continued) **1010695934**

Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	N
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported

4307 MAIN (Continued) **1010695934**

Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	520
Below Poverty Percent:	22.7%
Meidan Income:	5058
Meidan Income Number:	817
Meidan Income Percent:	35.6%
Vacant Housing Number:	59
Vacant Housing Percent:	8.6%
Unemployed Number:	162
Unemployed Percent:	7.1%

AA109 **4329 MAIN** **US BROWNFIELDS** **1010698410**
West **4329 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.485 mi.
2560 ft. **Site 4 of 4 in cluster AA**

Relative: US BROWNFIELDS:
Lower
Actual:
838 ft.

Property Name:	4329 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215272005.0
Parcel size:	.25
Latitude:	33.976834
Longitude:	-117.378052
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	64961
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	John J Monjazi
Did Owner Change:	Not reported

4329 MAIN (Continued) **1010698410**

Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

4329 MAIN (Continued) **1010698410**

Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	508
Below Poverty Percent:	22.7%
Meidan Income:	4569
Meidan Income Number:	793
Meidan Income Percent:	35.5%
Vacant Housing Number:	57
Vacant Housing Percent:	8.6%
Unemployed Number:	156
Unemployed Percent:	7.0%

V110 **GRIN CHEM CO** **SEMS-ARCHIVE** **1003878733**
NW **3792 MAIN ST** **CAD980884951**
1/4-1/2 **RIVERSIDE, CA 92522**
0.486 mi.
2567 ft. **Site 2 of 2 in cluster V**

Relative:
Lower

Actual:
849 ft.

SEMS Archive:

Site ID:	902155
EPA ID:	CAD980884951
Cong District:	37
FIPS Code:	6065
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

GRIN CHEM CO (Continued) **1003878733**

SEMS Archive Detail:

Region:	9
Site ID:	902155
EPA ID:	CAD980884951
Site Name:	GRIN CHEM CO
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1985-10-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	902155
EPA ID:	CAD980884951
Site Name:	GRIN CHEM CO
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1985-04-01 00:00:00
Finish Date:	1985-10-01 00:00:00
Qual:	N
Current Action Lead:	St Perf

Region:	9
Site ID:	902155
EPA ID:	CAD980884951
Site Name:	GRIN CHEM CO
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-04-01 00:00:00
Finish Date:	1985-04-01 00:00:00
Qual:	Not reported
Current Action Lead:	St Perf

AB111 **4353 MAIN** **US BROWNFIELDS** **1010698411**
West **4353 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.488 mi.
2579 ft. **Site 1 of 2 in cluster AB**

Relative:
Lower

Actual:
838 ft.

US BROWNFIELDS:

Property Name:	4353 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment

4353 MAIN (Continued) **1010698411**

Property Number:	215272006.0
Parcel size:	.33
Latitude:	33.976653
Longitude:	-117.378174
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	64962
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	John J Monjazi
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported

4353 MAIN (Continued) **1010698411**

Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported

4353 MAIN (Continued) **1010698411**

SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	499
Below Poverty Percent:	22.7%
Meidan Income:	4303
Meidan Income Number:	776
Meidan Income Percent:	35.4%
Vacant Housing Number:	56
Vacant Housing Percent:	8.7%
Unemployed Number:	153
Unemployed Percent:	7.0%

X112 **4001 MAIN** **US BROWNFIELDS** **1010695671**
WNW **4001 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.490 mi.
2586 ft. **Site 5 of 5 in cluster X**

Relative:
Lower

Actual:
848 ft.

US BROWNFIELDS:

Property Name:	4001 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215092008.0
Parcel size:	.15
Latitude:	33.979883
Longitude:	-117.375944
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65011
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1

4001 MAIN (Continued) **1010695671**

Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	County of Riverside
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	N
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported

4001 MAIN (Continued) **1010695671**

Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	914
Below Poverty Percent:	26.7%
Meidan Income:	5483
Meidan Income Number:	1504
Meidan Income Percent:	44.0%
Vacant Housing Number:	169
Vacant Housing Percent:	12.8%
Unemployed Number:	230
Unemployed Percent:	6.7%

AB113 **4399 MAIN** **US BROWNFIELDS** **1010698412**
West **4399 MAIN** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.494 mi.
2608 ft. **Site 2 of 2 in cluster AB**

Relative:
Lower

Actual:
839 ft.

US BROWNFIELDS:

Property Name:	4399 MAIN
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215272007.0
Parcel size:	Not reported
Latitude:	33.976319
Longitude:	-117.378389
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	64963
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Elias Teshome
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

4399 MAIN (Continued) **1010698412**

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	N
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

4399 MAIN (Continued) **1010698412**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	456
Below Poverty Percent:	21.3%
Meidan Income:	1430
Meidan Income Number:	712
Meidan Income Percent:	33.2%
Vacant Housing Number:	42
Vacant Housing Percent:	6.8%
Unemployed Number:	149
Unemployed Percent:	7.0%

Y114 **3732 12TH** **US BROWNFIELDS** **1010695684**
WNW **3732 12TH** **N/A**
1/4-1/2 **RIVERSIDE, CA 92501**
0.494 mi.
2608 ft. **Site 7 of 7 in cluster Y**

Relative:
Lower

Actual:
844 ft.

US BROWNFIELDS:

Property Name:	3732 12TH
Recipient Name:	Riverside Redevelopment Agency
Grant Type:	Assessment
Property Number:	215262005.0
Parcel size:	.12
Latitude:	33.978128
Longitude:	-117.377585
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	65027
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	400
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported

3732 12TH (Continued) **1010695684**

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	96986301
Start Date:	10/25/2006 00:00:00
Ownership Entity:	Not reported
Completion Date:	06/11/2007 00:00:00
Current Owner:	Hae Kwan & Oh Bok Yang
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	N
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	N
Lead cleaned up:	Not reported
No media affected:	N
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	N
Other metals cleaned:	Not reported
Other contaminants found:	N
Other contams found description:	Not reported
PAHs found:	N
PAHs cleaned up:	Not reported
PCBs found:	N
PCBs cleaned up:	Not reported
Petro products found:	N
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

3732 12TH (Continued) **1010695684**

VOCs found:	Y
VOCs cleaned:	N
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Commercial
Below Poverty Number:	634
Below Poverty Percent:	23.0%
Meidan Income:	8909
Meidan Income Number:	1033
Meidan Income Percent:	37.5%
Vacant Housing Number:	82
Vacant Housing Percent:	9.0%
Unemployed Number:	201
Unemployed Percent:	7.3%

W115 NNE 1/2-1 0.503 mi. 2656 ft. | **RIVERSIDE FERTILIZER WORKS**
2622 3RD ST
RIVERSIDE, CA 92507

Site 5 of 5 in cluster W

ENVIROSTOR | **S103647597**
N/A

Relative: Higher

Actual: 885 ft.

ENVIROSTOR:

Facility ID:	60000208
Status:	Inactive - Needs Evaluation
Status Date:	03/06/2006
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.36
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	31
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.98251
Longitude:	-117.3633
APN:	211-021-023
Past Use:	RETAIL
Potential COC:	Perchlorate
Confirmed COC:	30017-NO
Potential Description:	OTH, SOIL
Alias Name:	Western Farm Service
Alias Type:	Alternate Name
Alias Name:	211-021-023
Alias Type:	APN
Alias Name:	CAN000908312
Alias Type:	EPA Identification Number
Alias Name:	60000208
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:	06/13/2006
Comments:	Site Screening Assessment Report submitted to EPA.
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

116 WNW 1/2-1 0.540 mi. 2849 ft. | **RIME'S TIRE SERVICE, INC.** | **Notify 65** | **S100178784** | **N/A**
4150 MARKET STREET
RIVERSIDE, CA 90040

Relative: Lower
Actual: 844 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

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117 NNE 1/2-1 0.610 mi. 3220 ft. | **SINGLETARY, KING** | **Notify 65** | **S100179304** | **N/A**
2675 THIRD
RIVERSIDE, CA 90040

Relative: Higher
Actual: 882 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

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118 NW 1/2-1 0.757 mi. 3996 ft. | **STEARNS DOWNTOWN LIQUOR** | **Notify 65** | **S100231512** | **N/A**
4029 7TH
RIVERSIDE, CA 90040

Relative: Lower
Actual: 842 ft.

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported

AC119 NE 1/2-1 0.906 mi. 4784 ft. | **ALCAN, INC.** | **ENVIROSTOR SLIC** | **S107504409** | **N/A**
3016 KANSAS AV
RIVERSIDE, CA 92507

Site 1 of 2 in cluster AC

Relative: Higher
Actual: 897 ft.

ENVIROSTOR:

Facility ID:	60000212
Status:	Refer: RWQCB
Status Date:	04/12/2013
Site Code:	Not reported
Site Type:	Evaluation

ALCAN, INC. (Continued) **S107504409**

Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 8 - Santa Ana, US EPA
Lead Agency:	RWQCB 8 - Santa Ana
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	31
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.98563
Longitude:	-117.3549
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC:	Tetrachloroethylene (PCE TPH-MOTOR OIL Trichloroethylene (TCE 1,1-Dichloroethane
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE 1,1-Dichloroethane TPH-MOTOR OIL
Potential Description:	OTH, SOIL
Alias Name:	60000212
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Reassessment
Completed Date:	03/21/2012
Comments:	USEPA final signature page uploaded 4/12/13
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/13/2006
Comments:	EPA approval June 13,2006, concurrence that further action is required.
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

SLIC REG 8:

Type:	Soil and Groundwater
Facility Status:	Additional Characterization Underway
Staff:	WDM
Substance:	VOCS, TPH, MTLS
Lead Agency:	Regional Board
Location Code:	Not reported

ALCAN, INC. (Continued) **S107504409**

Thomas Bros Code: Not reported

AC120
NE
1/2-1
0.906 mi.
4784 ft.

HUNTER DOUGLAS ALUMINUM PLANT, DIV. OF BRIDGEPORT **FUSRAP** **1016603122**
3016 KANSAS AVENUE **N/A**
RIVERSIDE, CA

Site 2 of 2 in cluster AC

Relative:
Higher

Actual:
897 ft.

FUSRAP:

Site Name:	HUNTER DOUGLAS ALUMINUM PLANT, DIV. OF BRIDGEPORT
Site Id:	CA.11
Site Status:	Eliminated from consideration under FUSRAP
Designated Name:	Not Designated
Alternate Name:	Hunter Douglas Aluminum Corporation
Location Street Address:	3016 KANSAS AVENUE
Location City:	RIVERSIDE
Location State:	CA
Location County:	Not reported
Evaluation Year:	1995
Site Oprerations:	Fabricated uranium metal tubing during the late 1950s.
Site Disposition:	Eliminated - No Authority - NRC licensed
Radioactice Materials Handled:	Yes
Primary Radioactivce Materials Handled:	Uranium Metal
Radiological Survey(S):	No
Long Term Care Requirements:	Not reported
Historical Operations:	Not reported
Website URL:	http://www.lm.doe.gov/Considered_Sites/Hunter_Douglas_Aluminum_Plant_Div_of_Bridgeport_Brass_Co_-_CA_11.aspx

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121
East
1/2-1
0.911 mi.
4811 ft.

EASTSIDE ELEMENTARY SCHOOL **ENVIROSTOR** **S107027259**
UNIVERSITY AVENUE/OTTAWA AVENUE **SCH** **N/A**
RIVERSIDE, CA 92507

Relative:
Higher

Actual:
947 ft.

ENVIROSTOR:

Facility ID:	33000044
Status:	Inactive - Needs Evaluation
Status Date:	02/07/2007
Site Code:	404630
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	11.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	61
Senate:	31
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.9742

EASTSIDE ELEMENTARY SCHOOL (Continued) **S107027259**

Longitude: -117.3517
APN: NONE SPECIFIED
Past Use: * UNKNOWN
Potential COC: Benzene Lead Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL
Confirmed COC: 30019-NO 30024-NO 30025-NO 30003-NO 30013-NO 3002502-NO
Potential Description: SOIL
Alias Name: RIVERSIDE UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: RIVERSIDE USD-PRPSD EASTSIDE ELEM SCHOOL
Alias Type: Alternate Name
Alias Name: 404630
Alias Type: Project Code (Site Code)
Alias Name: 33000044
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 01/10/2006
Comments: Field Work Scheduled for 1/16/06

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 04/27/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 01/16/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/07/2007
Comments: CRU Completed

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

EASTSIDE ELEMENTARY SCHOOL (Continued) **S107027259**

SCH:

Facility ID:	33000044
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	11.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404630
Assembly:	61
Senate:	31
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	02/07/2007
Restricted Use:	NO
Funding:	School District
Latitude:	33.9742
Longitude:	-117.3517
APN:	NONE SPECIFIED
Past Use:	* UNKNOWN
Potential COC:	Benzene, Lead, Polynuclear aromatic hydrocarbons (PAHs, TPH-diesel, TPH-gas, TPH-MOTOR OIL
Confirmed COC:	30019-NO, 30024-NO, 30025-NO, 30003-NO, 30013-NO, 3002502-NO
Potential Description:	SOIL
Alias Name:	RIVERSIDE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	RIVERSIDE USD-PRPSD EASTSIDE ELEM SCHOOL
Alias Type:	Alternate Name
Alias Name:	404630
Alias Type:	Project Code (Site Code)
Alias Name:	33000044
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	01/10/2006
Comments:	Field Work Scheduled for 1/16/06
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	04/27/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	01/16/2007
Comments:	Not reported

EASTSIDE ELEMENTARY SCHOOL (Continued) **S107027259**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/28/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/07/2007
Comments: CRU Completed

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

122
NE
1/2-1
0.965 mi.
5095 ft.

LEWIS, A.M.
2727 KANSAS AVENUE
RIVERSIDE, CA 90040

Notify 65 **S100179035**
N/A

Relative:
Higher

Actual:
887 ft.

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIVERSIDE	S103821018	SMITH PROPERTY	7TH ST	92507	LUST
RIVERSIDE	S104970783	UCR - PARKING LOT 6	UNIVERSITY OF CALIF, RIVERSIDE		LUST
RIVERSIDE	S108985921	UCR (PESTICIDE PITS)	N/A UNIVERSITY AVENUE		SLIC

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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/16/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
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: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: N/A
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 02/06/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/16/2018
	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: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 01/05/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 04/16/2018
	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: 12/11/2017	Source: EPA
Date Data Arrived at EDR: 12/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 02/06/2018
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2018
	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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 04/30/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 05/22/2017
Date Data Arrived at EDR: 06/13/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 94

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 05/28/2018
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: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
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: 11/13/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 74

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/18/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
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: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
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: 11/13/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 23

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 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: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

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 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: Varies

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 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

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: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
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: Quarterly

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: Semi-Annually

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: Varies

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: Semi-Annually

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: Semi-Annually

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: Semi-Annually

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: Annually

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: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
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: 12/26/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/14/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/01/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 05/02/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 04/13/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 78

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
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: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/26/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 10/06/2017
Number of Days to Update: 71

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/23/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

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

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: 12/22/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/26/2017
Next Scheduled EDR Contact: 04/09/2018
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: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/02/2018
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: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/30/2017
Date Data Arrived at EDR: 05/31/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 76

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/09/2018
Next Scheduled EDR Contact: 02/26/2018
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: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
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: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
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: 02/02/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
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: 10/30/2017
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
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: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Varies

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: 01/09/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 16

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

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: 11/27/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 19

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
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

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: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
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: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/21/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 22

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 05/09/2017
Date Data Arrived at EDR: 07/26/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 57

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 30

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2017
Next Scheduled EDR Contact: 01/22/2018
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: 10/11/2017
Next Scheduled EDR Contact: 01/22/2018
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: 02/16/2018
Next Scheduled EDR Contact: 05/28/2018
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: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 04/09/2018
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: 01/31/2018
Next Scheduled EDR Contact: 05/21/2018
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/21/2018
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: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
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: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2018
Next Scheduled EDR Contact: 05/07/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
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: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
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: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
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: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
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: Quarterly

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: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
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: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
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: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
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: 01/26/2018
Next Scheduled EDR Contact: 05/07/2018
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: 10/02/2017
Date Data Arrived at EDR: 10/05/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/16/2018
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: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

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: 09/30/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 63

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/02/2018
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: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
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: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/19/2018
Next Scheduled EDR Contact: 05/21/2018
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: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/06/2018
Next Scheduled EDR Contact: 05/21/2018
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: 10/29/2017
Date Data Arrived at EDR: 11/28/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 45

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
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: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
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: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/20/2017
Number of Days to Update: 24

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
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: 07/23/2017
Date Data Arrived at EDR: 09/06/2017
Date Made Active in Reports: 09/15/2017
Number of Days to Update: 9

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
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: 06/27/2017
Date Data Arrived at EDR: 11/21/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 53

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
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: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/02/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/22/2017
Next Scheduled EDR Contact: 04/02/2018
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: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 34

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 52

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
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: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
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: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/08/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 37

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
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: 11/20/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
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: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/09/2018
Next Scheduled EDR Contact: 04/23/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 31

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
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: 11/29/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 05/28/2018
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: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 42

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 35

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
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: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 32

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
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: 12/11/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 36

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
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 board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/12/2018
Next Scheduled EDR Contact: 04/23/2018
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: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
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:

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: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

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: 01/04/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/20/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/20/2017
Date Data Arrived at EDR: 11/29/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 51

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/04/2017
Date Data Arrived at EDR: 12/06/2017
Date Made Active in Reports: 12/27/2017
Number of Days to Update: 21

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

FRESNO COUNTY:

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: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

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: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/03/2017
Date Data Arrived at EDR: 08/08/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 69

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/20/2017
Number of Days to Update: 43

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

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: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

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: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 5

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 10/09/2017
Number of Days to Update: 171

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/17/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

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: 01/10/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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: 10/26/2017
Date Data Arrived at EDR: 10/27/2017
Date Made Active in Reports: 11/06/2017
Number of Days to Update: 10

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/17/2018
Number of Days to Update: 12

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 20

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/20/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

NAPA COUNTY:

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: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 11/22/2017
Date Data Arrived at EDR: 11/27/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/09/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 28

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/09/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 36

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 02/07/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 12/12/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 50

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/15/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/11/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/09/2017
Number of Days to Update: 28

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/15/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 10/12/2017
Date Made Active in Reports: 11/08/2017
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/15/2017
Next Scheduled EDR Contact: 04/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/03/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

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: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/03/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

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: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/05/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

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: 12/04/2017
Date Data Arrived at EDR: 12/05/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

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: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 02/01/2018
Number of Days to Update: 42

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/11/2018
Number of Days to Update: 28

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2017
Date Data Arrived at EDR: 12/14/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

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: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/16/2017
Date Made Active in Reports: 01/04/2018
Number of Days to Update: 49

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

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

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: 02/22/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

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: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SHASTA COUNTY:

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: 02/15/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 28

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/14/2017
Date Data Arrived at EDR: 12/15/2017
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 34

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 41

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2017
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/04/2018
Next Scheduled EDR Contact: 04/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 6

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 12/04/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 15

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 02/01/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/23/2017
Date Data Arrived at EDR: 10/24/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 09/27/2017
Date Data Arrived at EDR: 09/28/2017
Date Made Active in Reports: 10/16/2017
Number of Days to Update: 18

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 05/21/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 22

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Varies

VENTURA COUNTY:

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: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

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: 12/26/2017
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Annually

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: 02/08/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: Quarterly

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: 09/26/2017
Date Data Arrived at EDR: 10/25/2017
Date Made Active in Reports: 12/07/2017
Number of Days to Update: 43

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2018
Next Scheduled EDR Contact: 05/07/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/27/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 01/19/2018
Number of Days to Update: 10

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/02/2018
Next Scheduled EDR Contact: 04/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 11/08/2017
Date Data Arrived at EDR: 11/10/2017
Date Made Active in Reports: 11/16/2017
Number of Days to Update: 6

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/29/2018
Next Scheduled EDR Contact: 05/14/2018
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: 11/11/2017
Date Data Arrived at EDR: 11/14/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 34

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/14/2018
Next Scheduled EDR Contact: 05/28/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/05/2018
Next Scheduled EDR Contact: 04/23/2018
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: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/16/2018
Next Scheduled EDR Contact: 04/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
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.

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 & Game
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

TEN APNS
3034 10TH STREET
RIVERSIDE, CA 92507

TARGET PROPERTY COORDINATES

Latitude (North):	33.97598 - 33˚ 58' 33.53''
Longitude (West):	117.36778 - 117˚ 22' 4.01''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	466025.9
UTM Y (Meters):	3759359.2
Elevation:	868 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5641312 RIVERSIDE EAST, CA
Version Date:	2012
Southwest Map:	5641332 RIVERSIDE WEST, 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 principal 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).

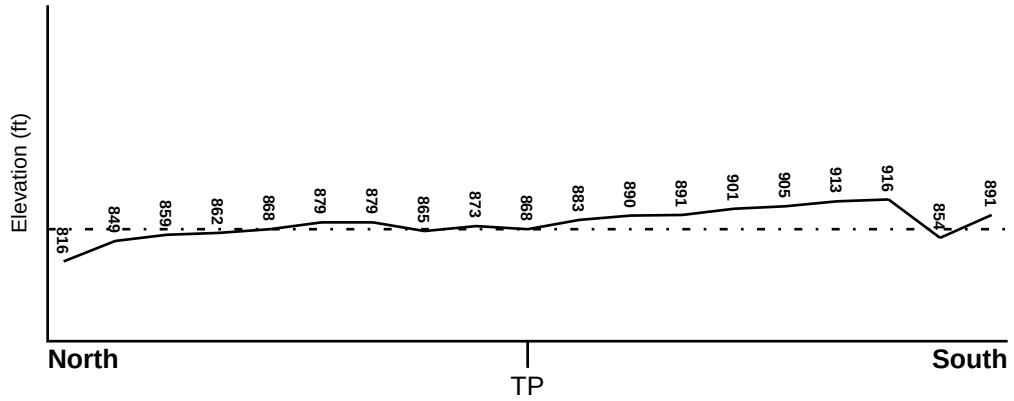
TOPOGRAPHIC INFORMATION

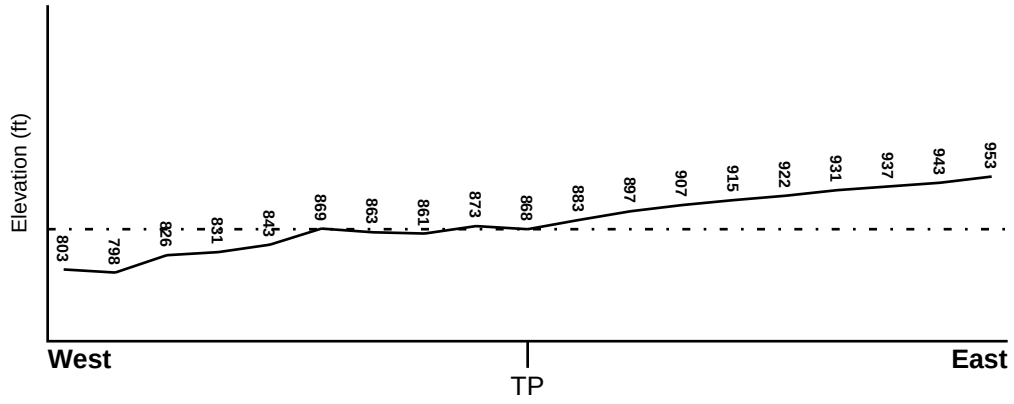
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 868 ft.

0 1/2 1 Miles

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
06065C0726G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C0710G	FEMA FIRM Flood data
06065C0728G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
7	1/4 - 1/2 Mile East	W
8	1/4 - 1/2 Mile NNE	WSW
9	1/4 - 1/2 Mile SSE	Not Reported
C10	1/4 - 1/2 Mile WSW	Not Reported
C11	1/4 - 1/2 Mile WSW	Not Reported
D12	1/4 - 1/2 Mile East	NW
D13	1/4 - 1/2 Mile East	NW

* ©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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
14	1/2 - 1 Mile West	W
E17	1/2 - 1 Mile WNW	Not Reported
E18	1/2 - 1 Mile WNW	Not Reported
19	1/2 - 1 Mile West	SW
1G	1/4 - 1/2 Mile NNE	WSW
2G	1/2 - 1 Mile WNW	Not Reported
3G	1/2 - 1 Mile WNW	Not Reported
4G	1/2 - 1 Mile West	SW
5G	1/2 - 1 Mile West	W
6G	1/4 - 1/2 Mile East	W
7G	1/4 - 1/2 Mile East	NW
8G	1/4 - 1/2 Mile East	NW
9G	1/4 - 1/2 Mile WSW	Not Reported
10G	1/4 - 1/2 Mile WSW	Not Reported
11G	1/4 - 1/2 Mile SSE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

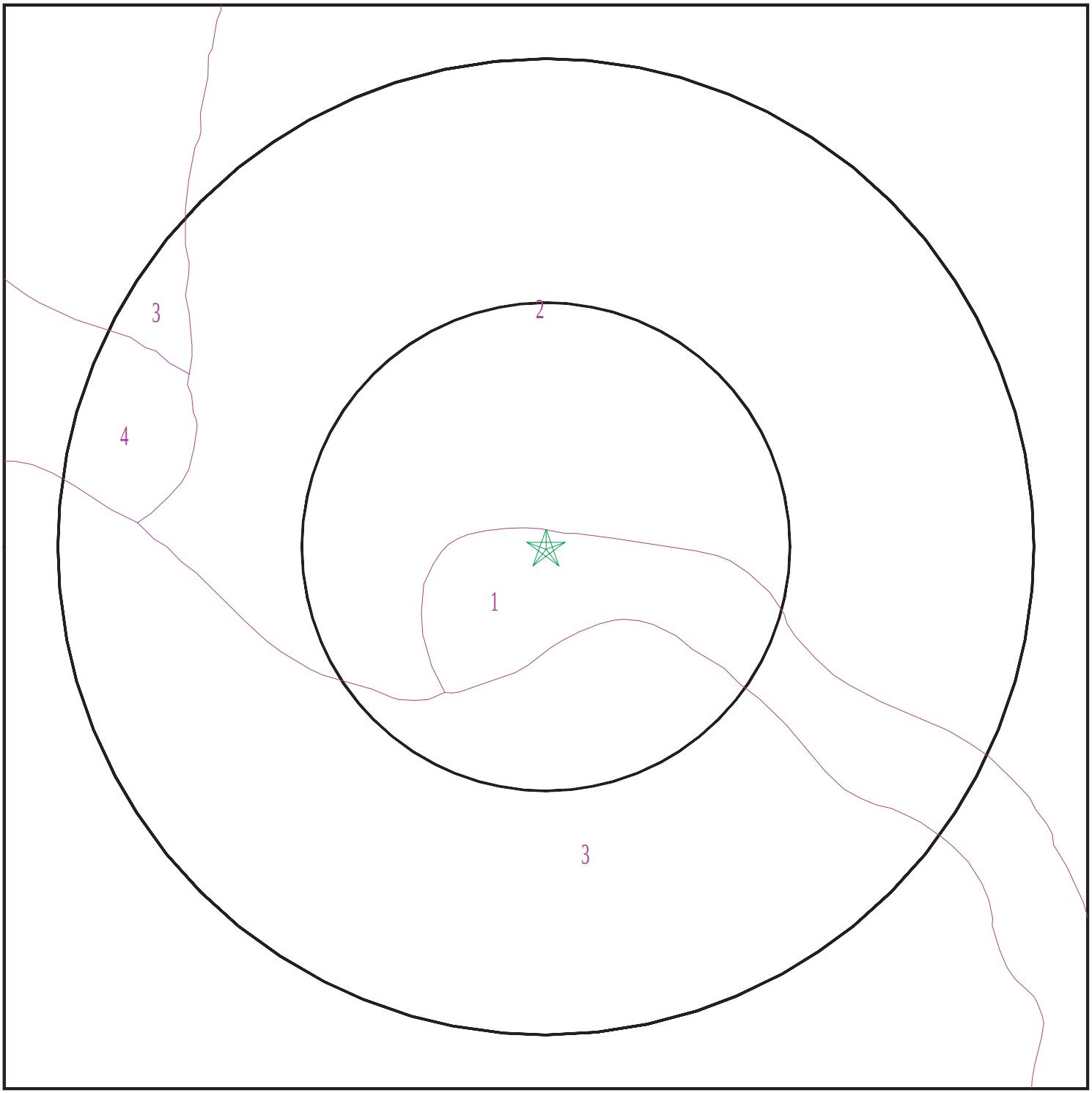
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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).

SSURGO SOIL MAP - 5221946.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Ten APNs	CLIENT:	Ninyo & Moore
ADDRESS:	3034 10th Street Riverside CA 92507	CONTACT:	Dennis Fee
		INQUIRY #:	5221946.2s
LAT/LONG:	33.97598 / 117.36778	DATE:	March 16, 2018 1:35 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HANFORD

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
3	40 inches	59 inches	stratified loamy sand to coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

Soil Map ID: 2

Soil Component Name: ARLINGTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	**Upper**	**Lower**	**Soil Texture Class**	**AASHTO Group**	**Unified Soil**		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
2	11 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	50 inches	59 inches	cemented	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: Min:
4	59 inches	70 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: BUREN

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.1
2	11 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	27 inches	37 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.4
4	37 inches	57 inches	cemented	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 4

Soil Component Name: ARLINGTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	**Upper**	**Lower**	**Soil Texture Class**	**AASHTO Group**	**Unified Soil**		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
2	11 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	50 inches	59 inches	cemented	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: Min:
4	59 inches	70 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

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	USGS40000139438	0 - 1/8 Mile WSW
A2	USGS40000139443	1/8 - 1/4 Mile West
A4	USGS40000139444	1/8 - 1/4 Mile West
B5	USGS40000139501	1/8 - 1/4 Mile NNW
22	USGS40000139557	1/2 - 1 Mile NNE
G27	USGS40000139370	1/2 - 1 Mile SW
H30	USGS40000139374	1/2 - 1 Mile WSW
I32	USGS40000139358	1/2 - 1 Mile SW
33	USGS40000139472	1/2 - 1 Mile West

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

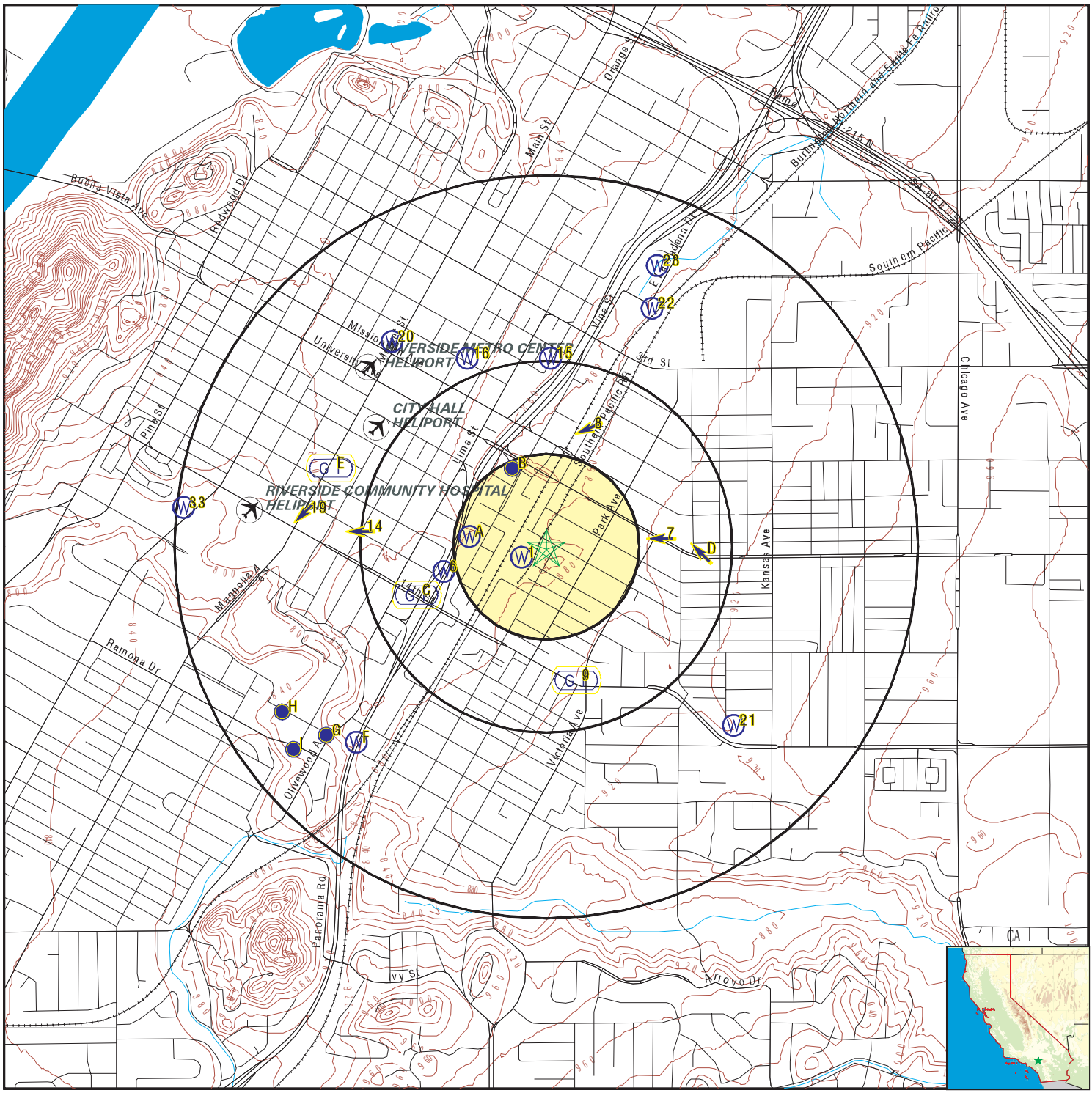
MAP ID	WELL ID	LOCATION FROM TP
B3	2529	1/8 - 1/4 Mile NNW
6	2530	1/4 - 1/2 Mile WSW
15	2532	1/2 - 1 Mile North
16	2531	1/2 - 1 Mile NNW
20	CADW60000015110	1/2 - 1 Mile NW
21	CADW60000003296	1/2 - 1 Mile SE
F23	3541	1/2 - 1 Mile SW
F24	3542	1/2 - 1 Mile SW
F25	3543	1/2 - 1 Mile SW
G26	2537	1/2 - 1 Mile SW
28	2533	1/2 - 1 Mile NNE
H29	2534	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I31	2536	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 5221946.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Ten APNs	CLIENT:	Ninyo & Moore
ADDRESS:	3034 10th Street Riverside CA 92507	CONTACT:	Dennis Fee
		INQUIRY #:	5221946.2s
LAT/LONG:	33.97598 / 117.36778	DATE:	March 16, 2018 1:35 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **WSW** **0 - 1/8 Mile** **Higher**	**FED USGS**	**USGS40000139438**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335832117220501		
Monloc name:	002S005W23R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9755708
Longitude:	-117.3689335	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	358
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A2 **West** **1/8 - 1/4 Mile** **Lower**	**FED USGS**	**USGS40000139443**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335835117221501		
Monloc name:	002S005W23Q001S		
Monloc type:	Well		
Monloc desc:	NAWQA DATA ENTRY COM + VER 06/19/2000 SNHAMLIN		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9763556
Longitude:	-117.3710444	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	860
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Cenozoic Erathem		

Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	440
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-06-04	85.1		2000-03-29	80	

B3
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **2529**

Water System Information:

Prime Station Code:	02S/05W-23J01 S	User ID:	WAT
FRDS Number:	3310031068	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335844.2 1172205.7	Precision:	10 Feet (1/10 Second)
Source Name:	MULBERRY - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		
Sample Collected:	20-JUL-06	Findings:	5. UNITS
Chemical:	COLOR		

A4
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139444**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335835117221502		
Monloc name:	002S005W23Q003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9764041
Longitude:	-117.3717114	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	397
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B5
NNW **FED USGS** **USGS40000139501**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335845117220801		
Monloc name:	002S005W23J001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9791819
Longitude:	-117.3697669	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	300
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
WSW **CA WELLS** **2530**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	02S/05W-23Q01 S	User ID:	WAT
FRDS Number:	3310031016	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335830.5 1172218.8	Precision:	10 Feet (1/10 Second)
Source Name:	ELEVENTH ST. WELL - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
7 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	91354 W 124 127 Not Reported 07/22/1997	**AQUIFLOW**	**50163**
8 **NNE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083302339T WSW 65 ft 70 ft Not Reported 05/1994	**AQUIFLOW**	**50986**
9 **SSE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083302092T Not Reported Not Reported Not Reported 95’ 12/07/1992	**AQUIFLOW**	**66425**
C10 **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083302925T Not Reported 92 94 Not Reported 11/24/1998	**AQUIFLOW**	**54885**
C11 **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083302925T Not Reported 92 94 Not Reported 11/24/1998	**AQUIFLOW**	**54886**
D12 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301742T NW Not Reported Not Reported 135 06/30/1995	**AQUIFLOW**	**37820**
D13 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301742T NW Not Reported Not Reported 135 06/30/1995	**AQUIFLOW**	**37821**

Map ID Direction Distance Elevation			Database	EDR ID Number
14 **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301572T W 62.50 76.13 Not Reported 01/23/1997	**AQUIFLOW**	**50783**

15
North
1/2 - 1 Mile
Higher

CA WELLS **2532**

Water System Information:

Prime Station Code:	02S/05W-23R01 S	User ID:	WAT
FRDS Number:	3310031019	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335900.0 1172200.0	Precision:	Undefined
Source Name:	FILL WELL - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		
Sample Collected:	30-JUN-16	Findings:	1100. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	30-JUN-16	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	30-JUN-16	Findings:	260. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	30-JUN-16	Findings:	320. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	30-JUN-16	Findings:	17. MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	30-JUN-16	Findings:	400. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	30-JUN-16	Findings:	120. MG/L
Chemical:	CALCIUM		
Sample Collected:	30-JUN-16	Findings:	25. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	30-JUN-16	Findings:	73. MG/L
Chemical:	SODIUM		
Sample Collected:	30-JUN-16	Findings:	4.3 MG/L
Chemical:	POTASSIUM		

Sample Collected:	30-JUN-16	Findings:	88. MG/L
Chemical:	CHLORIDE		
Sample Collected:	30-JUN-16	Findings:	79. MG/L
Chemical:	SULFATE		
Sample Collected:	30-JUN-16	Findings:	660. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	30-JUN-16	Findings:	1.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	30-JUN-16	Findings:	0.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	30-JUN-16	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	30-JUN-16	Findings:	17. MG/L
Chemical:	NITRATE + NITRITE (AS N)		

16
NNW
1/2 - 1 Mile
Lower

CA WELLS **2531**

Water System Information:

Prime Station Code:	02S/05W-23Q03 S	User ID:	WAT
FRDS Number:	3310031025	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Agricultural/Irrigation Well
Source Lat/Long:	335900.0 1172214.6	Precision:	10 Feet (1/10 Second)
Source Name:	FREEWAY WELL - AGRICULTURAL		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

E17
WNW
1/2 - 1 Mile
Lower

AQUIFLOW **50792**

Site ID:	083301058T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	70
Date:	02/28/1997

E18
WNW
1/2 - 1 Mile
Lower

AQUIFLOW **50791**

Site ID:	083301058T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	70
Date:	02/28/1997

19
West
1/2 - 1 Mile
Lower

AQUIFLOW **50778**

Site ID:	083300555T
Groundwater Flow:	SW
Shallow Water Depth:	59.29
Deep Water Depth:	65.94
Average Water Depth:	60
Date:	09/1995

Map ID Direction Distance Elevation	Database	EDR ID Number
20 **NW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADW60000015110**

Objectid:	15110
Latitude:	33.984
Longitude:	-117.375
Site code:	339840N1173750W001
State well numbe:	02S05W23F001S
Local well name:	'Fox metro'
Well use id:	1
Well use descrip:	Observation
County id:	33
County name:	Riverside
Basin code:	'8-2.03'
Basin desc:	Riverside-Arlington
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000015110

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21 **SE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADW60000003296**

Objectid:	3296
Latitude:	33.969
Longitude:	-117.359
Site code:	339690N1173590W001
State well numbe:	02S05W25F001S
Local well name:	'Clearwater'
Well use id:	6
Well use descrip:	Unknown
County id:	33
County name:	Riverside
Basin code:	'8-2.03'
Basin desc:	Riverside-Arlington
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000003296

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22 **NNE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000139557**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335907117214301		
Monloc name:	002S005W24D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9852929
Longitude:	-117.3628223	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	270
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F23
SW **CA WELLS** **3541**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	03S/05W-06Q03 S	User ID:	WAT
FRDS Number:	3310031003	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335806.0 1172233.2	Precision:	10 Feet (1/10 Second)
Source Name:	ARMY WELL 03 - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

F24
SW **CA WELLS** **3542**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	03S/05W-06Q04 S	User ID:	WAT
FRDS Number:	3310031055	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335806.0 1172233.2	Precision:	10 Feet (1/10 Second)
Source Name:	ISELIN WELL 01 - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

Map ID Direction Distance Elevation	Database	EDR ID Number
F25 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**3543**

Water System Information:

Prime Station Code:	03S/05W-06Q05 S	User ID:	WAT
FRDS Number:	3310031056	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335806.0 1172233.2	Precision:	10 Feet (1/10 Second)
Source Name:	ISELIN WELL 02 - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

G26 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**2537**

Water System Information:

Prime Station Code:	02S/05W-26M01 S	User ID:	WAT
FRDS Number:	3310031072	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Agricultural/Irrigation Well
Source Lat/Long:	335807.6 1172238.3	Precision:	10 Feet (1/10 Second)
Source Name:	OLIVEWOOD WELL 03 - AGRICULTURAL		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

G27 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139370**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335807117223801		
Monloc name:	002S005W26F001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9686264
Longitude:	-117.3781004	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	396
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

28
NNE **CA WELLS** **2533**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	02S/05W-24D01 S	User ID:	WAT
FRDS Number:	3310031020	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335913.2 1172142.6	Precision:	10 Feet (1/10 Second)
Source Name:	FIRST STREET - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		
Sample Collected:	30-JUN-16	Findings:	910. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	30-JUN-16	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	30-JUN-16	Findings:	230. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	30-JUN-16	Findings:	280. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	30-JUN-16	Findings:	5.3 MG/L
Chemical:	NITRATE (AS N)		
Sample Collected:	30-JUN-16	Findings:	310. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	30-JUN-16	Findings:	96. MG/L
Chemical:	CALCIUM		
Sample Collected:	30-JUN-16	Findings:	18. MG/L
Chemical:	MAGNESIUM		

Sample Collected:	30-JUN-16	Findings:	77. MG/L
Chemical:	SODIUM		
Sample Collected:	30-JUN-16	Findings:	4. MG/L
Chemical:	POTASSIUM		
Sample Collected:	30-JUN-16	Findings:	72. MG/L
Chemical:	CHLORIDE		
Sample Collected:	30-JUN-16	Findings:	110. MG/L
Chemical:	SULFATE		
Sample Collected:	30-JUN-16	Findings:	610. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	30-JUN-16	Findings:	1.1
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	30-JUN-16	Findings:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	30-JUN-16	Findings:	5.3 MG/L
Chemical:	NITRATE + NITRITE (AS N)		

H29
WSW **CA WELLS** **2534**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	02S/05W-26E02 S	User ID:	WAT
FRDS Number:	3310031070	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Agricultural/Irrigation Well
Source Lat/Long:	335810.0 1172244.5	Precision:	10 Feet (1/10 Second)
Source Name:	OLIVEWOOD WELL 02 - AGRICULTURAL		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

H30
WSW **FED USGS** **USGS40000139374**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335810117224701		
Monloc name:	002S005W26E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9696111
Longitude:	-117.3805278	Sourcemap scale:	24000

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	816.85
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Reported		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	346
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

I31
SW **CA WELLS** **2536**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	02S/05W-26F01 S	User ID:	WAT
FRDS Number:	3310031069	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Agricultural/Irrigation Well
Source Lat/Long:	335805.4 1172243.8	Precision:	10 Feet (1/10 Second)
Source Name:	OLIVEWOOD WELL 01 - AGRICULTURAL		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

I32
SW **FED USGS** **USGS40000139358**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335805117224401		
Monloc name:	002S005W26M001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9680708
Longitude:	-117.379767	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

33
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000139472**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-335839117230201		
Monloc name:	002S005W22R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070203	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.9775151
Longitude:	-117.3847674	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	Not Reported
Vert measure units:	Not Reported	Vertacc measure val:	Not Reported
Vert accmeasure units:	Not Reported		
Vertcollection method:	Not Reported		
Vert coord refsys:	Not Reported	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	246
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

1G
NNE
1/4 - 1/2 Mile
Lower

AQUIFLOW **50986**

Site ID:	083302339T
Groundwater Flow:	WSW
Shallow Water Depth:	65 ft
Deep Water Depth:	70 ft
Average Water Depth:	Not Reported
Date:	05/1994

2G
WNW
1/2 - 1 Mile
Lower

AQUIFLOW **50791**

Site ID:	083301058T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	70
Date:	02/28/1997

3G
WNW
1/2 - 1 Mile
Lower

AQUIFLOW **50792**

Site ID:	083301058T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	70
Date:	02/28/1997

Map ID Direction Distance Elevation			Database	EDR ID Number
4G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083300555T SW 59.29 65.94 60 09/1995	**AQUIFLOW**	**50778**
5G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301572T W 62.50 76.13 Not Reported 01/23/1997	**AQUIFLOW**	**50783**
6G **East** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	91354 W 124 127 Not Reported 07/22/1997	**AQUIFLOW**	**50163**
7G **East** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301742T NW Not Reported Not Reported 135 06/30/1995	**AQUIFLOW**	**37820**
8G **East** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083301742T NW Not Reported Not Reported 135 06/30/1995	**AQUIFLOW**	**37821**
9G **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083302925T Not Reported 92 94 Not Reported 11/24/1998	**AQUIFLOW**	**54885**
10G **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	083302925T Not Reported 92 94 Not Reported 11/24/1998	**AQUIFLOW**	**54886**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
11G **SSE** **1/4 - 1/2 Mile** **Lower**	Site ID:	083302092T	**AQUIFLOW**	**66425**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	95’		
	Date:	12/07/1992		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92507	43	0

Federal EPA Radon Zone for RIVERSIDE 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 RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 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 & Game
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.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
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.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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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APPENDIX D

Regulatory Documentation

Department of Toxic Substances Control

Matthew Rodriguez
Acting Secretary for
Environmental Protection

Deborah O. Raphael, Director
9211 Oakdale Avenue
Chatsworth, California 91311

Edmund G. Brown Jr.
Governor

December 24, 2012

Ms. Maribeth Webber
Project Manager
Sempra Energy
555 West Fifth Street, MLGT16G2
Los Angeles, CA 90013-1011

SITE CERTIFICATION, FORMER RIVERSIDE MANUFACTURED GAS PLANT, RIVERSIDE, CALIFORNIA, RIVERSIDE COUNTY ASSESSOR'S PARCEL NUMBERS 211-201-004 AND 211-201-039

Dear Ms. Webber:

The Department of Toxic Substances Control (DTSC) has overseen the investigation and cleanup of the subject site, Riverside County Assessor's parcel numbers 211-201-004 and 211-201-039, under a Voluntary Cleanup Agreement with The Southern California Gas Company (Sempra Energy). On March 6, 2012, DTSC approved the Remedial Action Completion Report dated February 23, 2012, which concluded that all accessible contaminated soils had been excavated and removed. Due to the presence of residual chemicals beneath historical structures, a land use covenant (LUC) was signed on June 1, 2012, which the current owner of the property, MLM Properties, LLC, agreed to implement. The LUC prevents certain sensitive uses and includes provisions for soil management and annual reporting to ensure safe use of the subject property.

DTSC certifies that the Remedial Action Plan, dated October 15, 2007, has been satisfactorily implemented and the LUC has been recorded with the County of Riverside on July 2, 2012.

Printed on Recycled Paper

Thank you for your efforts in remediating this property. If you have any questions, please contact me at (818) 212-5340 or by email at tedd.yargeau@dtsc.ca.gov.

Sincerely,

Tedd Yargeau
Senior Scientist
Manufactured Gas Plant Team – Chatsworth Office

cc: Mr. Eric Hodder
Environmental Affairs
Southern California Edison
2244 Walnut Grove Avenue
Rosemead, California 91770

Linda S. Adams
Agency Secretary
Cal/EPA

Department of Toxic Substances Control

5796 Corporate Avenue
Cypress, California 90630

Arnold Schwarzenegger
Governor

INSPECTION REPORT

I. GENERAL INFORMATION

Company Name:	Royal Citrus/MLM Trucking Inc.
Facility Address:	3084 Tenth Street Riverside, California 92507
Telephone No:	951-314-8586
EPA ID Number:	CAL000095287
Facility Type:	Family owned the property and is leasing to Sunrise Custom Storage Inc.,Advanced Muffler and Jack's Auto repair.
Regulated Units:	No regulated Units.
Waste Streams:	Mixed used oil, used paints, industrial and vehicle batteries, contaminated dirt, soda ash, oily sludge, and others.
Inspected by:	Silvia D. Garcia – Enforcement and Emergency Response Program Kam Chen – Enforcement and Emergency Response Program Rick Jones – Enforcement and Emergency Response Program
Date of Inspection:	December 18, 2007
Facility Rep:	Mr. Eric Cardey – Property owner Mr. Mike Cardey – Property owner Mr. Lew Cardey – Property owner
Type of Inspection:	Complaint Investigation
Type of Business:	Used to pack citrus products and presently is renting the place for truck parking only.

DEPARTMENT OF TOXIC
SUBSTANCES CONTROL
"OFFICIAL FILE COPY"

CONSENT

I explained to the facility representatives that the purpose of the inspection was to conduct the complaint inspection. The inspection included taking photographs, reviewing and photocopying related documents.

The consent was given by: Mr. Lew Cardey – owner/operator of MLM Trucking Inc.

III. NARATIVE OF OBSERVATIONS/DISCUSSION WITH OPERATOR

Mr. Chen, Mr. Jones and I arrived at the facility around 2:30 pm. We first met Mr.Lew Cardey and Mr. Rudy Calleros, introduced ourselves, stated the purpose of the visit, and asked for consent to conduct the inspection. Mr. Lew Cardey gave us the consent.

After a short introduction, I began asking Mr. Lew Cardey about the facility background. Mr. Lew Cardey explained that Royal Citrus was in the packing and distributing the citrus products in 1965. It used to own the property across the street. However, the property across the street was sold and now is a parking place for Metrolink train passengers.

Mr. L. Cardey stated that Royal Citrus in early 1990's had contract companies overseas to grow citrus trees and the fruits produced were shipped back to 3084 Tenth Street, Riverside, California for packaging and distributing to retailers. Royal Citrus bought the building for packing citrus fruits only. He also stated that Royal Citrus business overseas in 1994 was discontinued because, those companies also started to pack their citrus products instead of transporting back to their facility for packaging. Then, in 2000, Royal Citrus was closed and now the new business is MLM Trucking Inc. The Cardeys started MLM Trucking business and operation at the facility by leasing a portion of the place to Sunrise Custom Storage, Inc., Advanced Muffler, and Jack's Auto Repair. The Cardeys are renting the property yard to truckers to park the vehicles only and not running a normal trucking business (Photos #1 thru #4, #7 & #8).

Following the short interview, we decided to visit the facility yard. Mr. Rudy Calleros, Sunrise employee said he is going to take us to the facility yard. He stepped out of the building for the moment and while waiting for him to come back, Mr. Mike Cardey and Mr. Eric Cardey arrived at the facility. We informed them that our purpose of the visit is to conduct the complaint investigation of the drum of hazardous waste stored in the yard. The Cardeys said they believed those drums were empties. They said the drums were left over from the closing and cleaning up of Citrus Royal. Also, they said all the drums with wastes should have been shipped out to a disposal facility and only the empty ones were left at the facility.

At that time, Mr. Calleros have not come back to the office yet, so, I asked Mr. Mike Cardey if he would accompany us to the yard and he said yes. So, we went to the yard. At the yard, we observed approximately 50 of 55 gallon drums containing used oil, contaminated soil in drums and least two open wooden boxes of contaminated soil, oil sludges, unknown wastes in that: at least 10 of these drums were opened, 40 of 1-gallon containers containing old paints, 10 of 5-gallons opened containers containing used oil and unknown wastes. Also, we observed at least three (3) industrial batteries, two (2) standard car batteries, and two (2) big oversized opened containers containing soda ash. At least, the drums and containers of hazardous wastes were stored on wooden pallets, inside the big wooden boxes or plastic boxes. All containers did not have appropriate hazardous waste labels (Photos #5, #6, & #9 thru #42). I also observed the discolorization of the soil coming from the drum storage. Then, we went back to the office and discussed our findings in the yard with Mr. Eric Cardey. Mr. Lew Cardey was not present at the time of discussion.

I informed Mr. Eric Cardey that the hazardous wastes in the yard needed waste determination, put hazardous waste label on each drums and containers, take photographs showing the drum storage area was cleaned after disposal. I asked him for the time frame he can remove the wastes for disposal. He said within 30 days, he would be able to sample the wastes for determination or waste profiling and to remove for disposal. I said that if he needs extra time after 30 days, he can contact me and request for more time. He said, he will contact me if more time is needed for the laboratory analysis, and disposal of the wastes. I asked Mr. Eric Cardey if MLM has an EPA Identification numbers. He said MLM had one but expired last October 28, 2007. He thought MLM has no use for it and did not re-apply for the EPA Identification numbers. He said he is going to apply for one again soon. The EPA Identification numbers is required in order to dispose and transport the hazardous waste.

On December 20, 2007, I contacted the facility and asked to take samples of the discolorated soil by the drum storage area (Photo #41) and have the samples tested for heavy metals. Mr. Eric Cardey said he will ask the contract people to collect the samples and add to the drum samples for analysis. Again, I told him to send me the copies of laboratory analytical results within 30 days of the inspection.

For transporting the hazardous waste, MLM Trucking shall use the registered transporter and manifest the hazardous wastes to a permitted facility. Also, send all manifests to the Department and copy of manifests to my attention.

On December 26, 2007, I received the response letter to the Summary of Violations from Mr. Benjamin Lawrence Barnes III, Chief Geologist and General Manager of Envirogenesis, Inc. On the same day, I contacted Mr. Benjamin Lawrence Barnes III to thank him for quick response to the violations and corrective action the facility will take

to bring MLM Trucking into compliance within 30 days from the date of inspection. He was not in the office at around 2:15 p.m. when I contacted him but left him a message to contact me in the office. Mr. Barnes III returned my message the following day. He said he will start working on the proposed corrective action by January 7, 2008.

In the letter, Mr. Barns III is requesting for the dismissal of financial penalties. The Department this time can not give the decision until a formal Consent Order is prepared to be issued to the facility. The issuance of the Consent Order may take few months defending on the corrective action submitted by the facility to the Department. If MLM Trucking would want to discuss the violations in the form of a meeting, please contact me at (714) 484-5372 and I will make an arrangement for a meeting. Please direct all questions and correspondence to my attention.

IV. SUMMARY OF VIOLATIONS

See the Summary of Violations (SOV) Attachment (1).

VI. CONCLUSION

I discussed the findings and violations with the facility at the conclusion of the inspection that the violations observed were Class I. I informed Mr. Eric Cardey that Class I will lead to an enforcement action with attached penalty. He was also informed that the inspection report and photographs taken at the yard will be mailed to MLM Trucking within 65 days of the inspection date. The facility was cooperative and helpful. We all thanked the facility representatives and left the premises.

Silvia D. Garcia
Hazardous Substances Scientist
Enforcement and Emergency Response Program

January 3, 2008
Date

Attachment:

1. Summary of Violations.
2. Copies of the photographs

ESIS, Inc.
Assessments, Subsurface Soil and Groundwater Investigations & Hazardous Waste Remediation Nationwide
yer Spur · Suite 300 · Santa Ana, California 92704-7155 · Telephone & Fax (714) 979-3466 · Field (949) 650-5824

December 20, 2007 PROJECT REFERENCE # 8981207

Mr. Richard L. Jones, Senior Hazardous Substances Scientist

AGENCY: California Environmental Protection Agency
Department of Toxic Substances Control
Southern California Region
Task Force Support and Special Investigations Branch
1011 North Grandview Avenue
Glendale, California 91201

FROM: Benjamin Lawrence Barnes, III, PG, REA, CAC, Chief Geologist

RE: Notice of Violation Dated December 18, 2007 Issued to MLM Trucking, Inc. for Hazardous Waste Mismanagement Practices at the Howard Avenue Yard in Riverside, California 92502

Dear Mr. Jones:

MLM Trucking, Inc. has retained the services of ENVIROGENESIS, Inc. to devise and to implement a work plan for corrective actions that characterize, mitigate and/or stabilize, transport, dispose and/or recycle a variety of stockpiled waste materials at the subject yard. The scope of work shall include confirmation soil sampling and testing in each waste storage area subsequent to physical removal of containers and any ground materials exhibiting evidence of contamination.

Specifically, the remedial methods to achieve environmental compliance may include: (1) covering drums, bins, buckets or other miscellaneous containers with lids, plastic sheeting or other protective membranes or materials on a temporary basis until off-site transport; (2) placing substandard or compromised containers within new clean drums, plastic-lined bins or other appropriate containers to minimize the potential for rupture or unauthorized release; (3) staging the existing assemblies of waste materials into one or more new temporary storage areas that feature proper impermeable ground protection and berms consisting of sand bags at a minimum; (4) characterizing the wastestream using olfactory methods and laboratory testing according to appropriate EPA test methods to determine the presence of TPH or TRPH, VOCs, fuel oxygenates, alcohols, ethanol, semi-volatiles, PCBs, inorganics (metals) or other suspected contaminants; (5) applying proper labels to each waste container prior to off-site removal; (6) excavating and containing contaminant impacted soil under or proximal to former waste storage areas; (7) performing soil sampling to confirm "clean" or "below action level" soil conditions in each existing waste storage area; (8) transporting, disposing and/or recycling the wastestream at one or more licensed hazardous waste facilities; (9) photodocumenting the current disposition of the wastestream, activities during corrective actions and site conditions after performance of corrective actions; and (10) preparing a technical report to verify adherence to proper protocol and to confirm that all violation issues were addressed and satisfied such that no further action shall be required.

The work shall be accomplished during a 30-day period to begin on or about December 20, 2007. Please note the spirit of cooperation exhibited by MLM Trucking, Inc. to expedite appropriate methods and means to achieve regulatory compliance at the subject property. Further, we ask that the agency dismiss any financial penalties for the stipulated hazardous waste management violations. The characterization and clean-up costs alone are a hardship for MLM.

You may contact me by office telephone at (714) 979-3466 or by field telephone at (949) 650-5824 if you have any questions. Please direct all correspondence to ENVIROGENESIS, Inc. at Post Office Box 3527 in Newport Beach, CA 92659.

Benjamin Lawrence Barnes, III, PG, REA, CAC
Chief Geologist and General Manager
State of Nebraska Professional Geologist No. G-090
State of Texas Professional Geologist No. PG- 2670
State of Wyoming Professional Geologist No. PG-2994
California EPA Registered Environmental Assessor No. REA-00949
California DOSH Certified Asbestos Consultant No. 92-0197

Note: CC to Kam Kei Chen and Silvia D. Garcia
California EPA-DTSC, Cypress, CA Office

ESIS, Inc.
ite Assessments, Subsurface Soil and Groundwater Investigations & Hazardous Waste Remediation Nationwide
x 3527 · Newport Beach, California 92659 · Office Telephone (714) 979-3466 · Field Telephone (949) 650-5824

January 15, 2008 PROJECT REFERENCE #: 8981207

Ms. Silvia D. Garcia, Hazardous Substances Scientist and Project Manager

AGENCY: California Environmental Protection Agency
Department of Toxic Substances Control
Enforcement and Emergency Response Program
5796 Corporate Avenue
Cypress, California 90630

FROM: Benjamin Lawrence (Larry) Barnes, III, PG, REA, CAC, Chief Geologist

RE: Corrective Actions Performed Pursuant to Notice of Violation Dated December 18, 2007 Issued to MLM Trucking, Inc. for Hazardous Waste Mismanagement Practices at the Howard Avenue Yard in Riverside, California 92502

Dear Ms. Garcia:

It was a pleasure to speak with you today about the progress achieved at the subject "boneyard". Specifically, MLM Trucking, Inc. has utilized a forklift to carefully relocate all varieties of hazardous wastes contained in bins, buckets, cans, drums, sacks, etc. from the barren earth open air yard to a secure adjacent facility that features an asphalt floor, a metal canopy and a locked gate. The new, temporary, hazardous materials, storage area provides a safe domain to observe, to sample, to repackage, to label and to stage each container and/or waste material into trucks for transportation to appropriate licensed disposal and/or recycling facilities.

Designated facilities shall be selected after completion of the waste profiling process. The hazardous materials sampling shall be completed during the week of January 14, 2008. Final laboratory results are anticipated by January 31, 2008. Shallow soil sampling and laboratory testing shall be conducted throughout the barren earth yard in areas once used to store the subject contained waste materials. Remedial actions shall be developed and implemented if necessary based upon the findings of the laboratory testing.

Additional project status reports will communicate future findings to your office. Thank you for the opportunity to provide you with an update of the positive corrective actions performed by MLM Trucking, Inc. since your inspection last month.

You may contact me by office telephone at (714) 979-3466 or by field telephone at (949) 650-5824 if you have any questions. Also, please include me on your distribution list for reports, memoranda and/or other project correspondence to the generator so that we may facilitate the pathway to compliance and clean closure for the subject site. Our address is: ENVIROGENESIS, Inc., Post Office Box 3527, Newport Beach, CA 92659.

B L Barnes

Benjamin Lawrence Barnes, III, PG, REA, CAC
Chief Geologist and General Manager
State of Nebraska Professional Geologist No. G-090
State of Texas Professional Geologist No. PG- 2670
State of Wyoming Professional Geologist No. PG-2994
California EPA Registered Environmental Assessor No. REA-00949
California DOSH Certified Asbestos Consultant No. 92-0197

Note: CC to Mr. Eric Landry @ MLM Trucking, Inc.

COMPLAINT REPORT FORM

Hospital - 951-788-30

Log Number : *07-1107-0661*

COMPLAINANT	SUBJECT OF INVESTIGATION
Name: GREG SWEEL, SCCOB	**Name:** ROYAL CITRUS
Address: DTSC, 5796 CORPORATE AVE	**Business Name:** ROYAL CITRUS
City: CYPRESS Zip: 90630	Address: 3084 EAST 10TH ST & 11TH STCORNER HOWAR
Phone: 7144845413	City: RIVERSIDE Zip: 99999
	Phone:
	County: RIVERSIDE

COMPLAINT DATA

Is this an emergency ? NO If yes, call the Office of Emergency Services (OES) at 1-800-852-7550 or 911

RCRA	Date Received: 11/27/2007	Time: 2:12:23	Received by: Cecilia Rosana
Proposition 65 Notification Made : No		Local Agency Notified:	Person notified ?
Date of Incident: 11/08/2007	Allegation: Unauthorized Disposal Unauthorized Storage	Quantity Involved:	Source of Complaint: Referred from DTSC Staff

Other Comments:

MANY DRUMS OF VARIOUS SIZES AND CONDITIONS, BATTERIES, PAIN CANS, DRUMS W/PCB, ETC., IN PALLETS OR DIRECTLY ON THE GROUND WERE OBSERVED AT THE ABOVE SITE. SOME STAINING ON THE SOIL. PHOTOS ATTACHED.

COMPLAINT COORDINATORS ONLY

Response Code:		***Region :*** Glendale
Agency Referred To:		***Supervisor Referred :***
Response Date:	***Assigned Staff:***	Date Assigned:

01-1107-0661

Riverside MGP
10th Street
Drum and material storage area
11th Street
12th Street
© 2007 Tele Atlas
© 2007 Europa Technologies
Google
Streaming 100%
Eye alt 928 ft

PHOTO NO: 9 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
The view of the south-end of the facility yard.

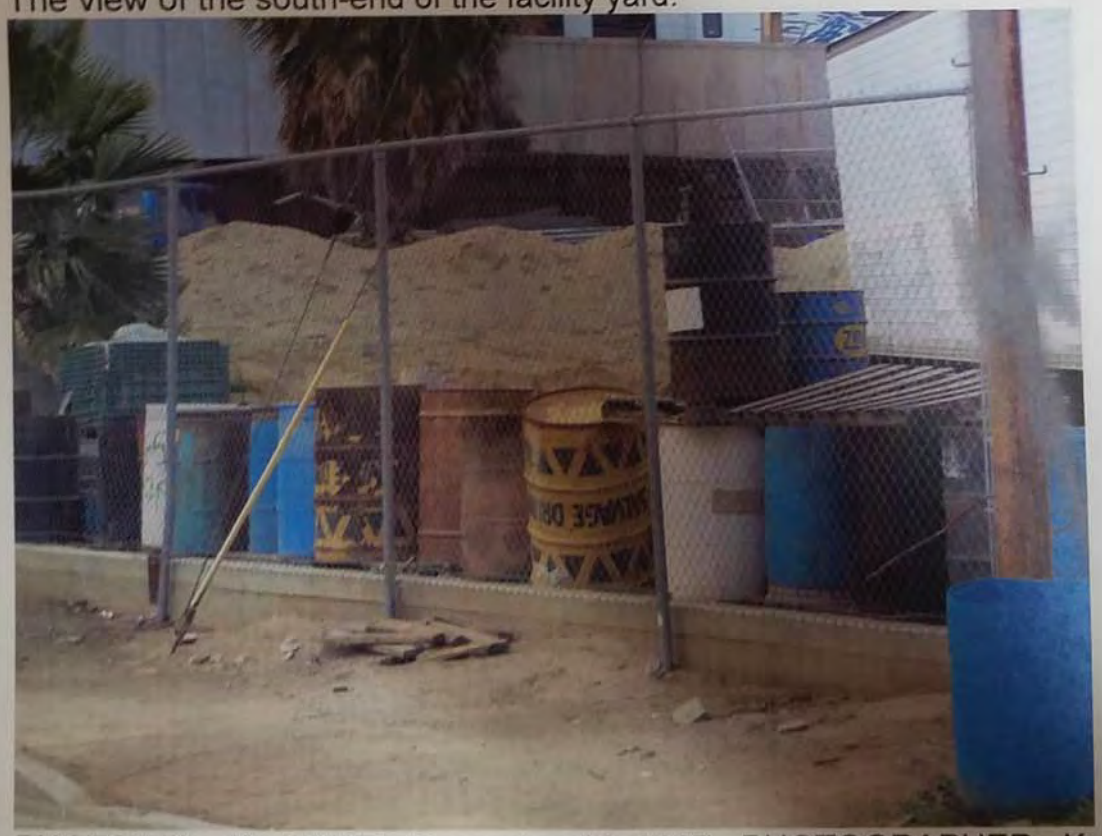

PHOTO NO: 10 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Drums stored at the facility.

PHOTO NO: 11 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Two big industrial batteries stored inside a container at the facility.

PHOTO NO: 12 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
One-gallon and five-gallon containers of paints and other wastes stored at the facility.

PHOTO NO: 17 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Three drums (two without bungs) stored at the facility.

PHOTO NO: 18 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Drums with sludge.

PHOTO NO: 23 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Containers and tires stored at the facility.

PHOTO NO: 24 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Contaminated dirt stored at the facility.

PHOTO NO: 31 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Industrial battery stored at the facility.

PHOTO NO: 32 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Containers and drums stored at the facility.

PHOTO NO: 37 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Area in the southern end of the facility for storing containers and drums.

PHOTO NO: 38 DATE: December 18, 2007 PHOTOGRAPHER: K. Chen
Opened drum stored at the facility.

ENVIROGENESIS, Inc.

Environmental Site Assessments, Subsurface Soil and Groundwater Investigations & Hazardous Waste Remediation Nationwide
Post Office Box 3527 · Newport Beach, California 92659 · 24-Hour Emergency Response Telephone (949) 650-5824

HAZARDOUS WASTE DISPOSITION and REGULATORY COMPLIANCE REPORT

MLM TRUCKING, INC. PROPERTY AKA HOWARD AVENUE YARD
SIX UNIMPROVED CITY LOTS (@51,000 SF) SITUATED IN THE 4000 BLOCK OF HOWARD AVENUE
BETWEEN THE 3000 BLOCK OF TENTH STREET AND THE 3000 BLOCK OF ELEVENTH STREET
3014-3034 TENTH STREET AND 3009-3033 ELEVENTH STREET
RIVERSIDE, CALIFORNIA 92507 (THOMAS GUIDE PAGE 7 GRID D6)
COUNTY OF RIVERSIDE APN: 211-201-007, 008, 037 AND PORTION OF 038

RECORD OF FACILITY PERMITS, IDENTIFICATION NUMBERS AND NOTICE OF VIOLATION:

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY IDENTIFICATION (EPA ID) NUMBER
CAL000328494 (ISSUED TO MLM TRUCK & AUTO REPAIR 01/08/08)
DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC) COMPLAINT INVESTIGATION (12/18/07)
DTSC SUMMARY OF VIOLATIONS (ISSUED WITHOUT REPORTED CASE NUMBER ON 12/18/07)

PREPARED FOR AND SUBMITTED TO REGULATORY OVERSIGHT AGENCY:

MS. SILVIA D. GARCIA
HAZARDOUS SUBSTANCES SCIENTIST (PROJECT MANAGER)
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL
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5796 CORPORATE AVENUE
CYPRESS, CALIFORNIA 90630

PREPARED FOR AND SUBMITTED TO PROPERTY OWNERS:

MESSRS. LEW CARDEY, MIKE CARDEY AND ERIC LANDRY
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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
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DTSC
APR 16 2008
CYPRESS

PREPARED BY:

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NEWPORT BEACH, CALIFORNIA 92659

REPORT PREPARATION DATE: APRIL 11, 2008

I. BACKGROUND AND SUMMARY OF VIOLATIONS

Personnel from the Department of Toxic Substances Control (DTSC) of the California Environmental Protection Agency (CAL EPA) conducted initial, on-site, non-intrusive, field investigations at the MLM Trucking, Inc. Howard Avenue Yard on December 18, 2007, in response to a formal complaint from an unnamed party regarding the presence of multiple miscellaneous containers of suspect hazardous waste materials and substances stockpiled in the unimproved, open air, equipment, storage yard and vehicle parking facility. The DTSC field inspectors included Mr. Kam Kei Chen, Hazardous Substances Scientist, from the Statewide Compliance Division; Ms. Silvia D. Garcia, Hazardous Substances Scientist, from the Enforcement and Emergency Response Program; and Mr. Richard L. Jones, Senior Hazardous Substances Scientist, from the Task Force Support and Special Investigations Branch.

Ms. Garcia communicated that she was the project manager in charge of enforcing regulatory compliance goals for the subject property. Consequently, the report of corrective actions for hazardous waste disposition and for regulatory compliance was prepared for her review, comment and forwarding to any other applicable personnel and/or departments for additional oversight. Ms. Garcia prepared a handwritten Summary of Violations (SOV) report in the field on December 18, 2007, together with photocopies of applicable pages from the California Code of Regulations (CCR) aka Title 22 concerning hazardous waste descriptions, generators, manifesting, labeling, storage, transporting and record keeping. A copy of the SOV report and supporting CCR pages were provided to the property owners.

Specifically, the initial Summary of Violations included the following elements:

1. Violation of Title 22 CCR Section 66262.11. The facility stored unidentified (suspect) hazardous wastes and/or (suspect) contaminated materials in approximately 50 55-gallon capacity drums, 40 one-gallon capacity cans and 10 five-gallon capacity buckets for a period of time described as greater than two years. *Corrective action: Identify substances in containers and transport to appropriate designated disposal and/or recycling facilities.*

2. Violation of Title 22 CCR Section 66262.31. The facility stored multiple cans, buckets, drums and miscellaneous containers of suspect waste materials and substances on-site without proper labels that identified contents. *Corrective action: Apply waste identification labels to containers and transport said containers to appropriate designated disposal and/or recycling facilities.*

3. Violation of Title 22 CCR Sections 25201 (a) and 66262.34 (c) and (f). The facility stored certain aforementioned estimated quantities of greases, old paints, sludges, used oils and other unidentified wastes including used industrial batteries on-site in containers without identification labels, without waste accumulation dates, without a regulatory permit or proper authorization and for a period of time described as at least two years. *Corrective action: Apply waste identification labels to containers, denote waste accumulation period information on containers and transport said containers to appropriate designated disposal and/or recycling facilities.*

4. Violation of Title 22 CCR Section 66265.173 (a). The facility stored unidentified, suspect, hazardous wastes in approximately 10 open top containers. *Corrective action: Store all (solid state and liquid state) hazardous wastes in closed drums (with lid rings and bolts) or other closed containers that prevent the potential for (rain) water intrusion, for the introduction of other incompatible chemical substances and/or for accidental unauthorized release (spilling) caused by impact to an open container.*

An additional violation was included in a site inspection summary letter prepared by Ms. Garcia on January 3, 2008, as follows:

5. Violation of Title 22 CCR Section 66262.12 (a), (b) and (c). The facility stored certain miscellaneous hazardous wastes on-site without an active EPA ID number. *Corrective action: Obtain a new active EPA ID number prior to off-site transport of waste materials to designated disposal and/or recycling facilities.* **Note:** EPA ID No. CAL000095287 for MLM Truck & Auto Repair expired on October 28, 2007. EPA ID No. CAL000328494 for MLM Truck & Auto Repair was issued 72 days later on January 8, 2008. No hazardous waste containers were removed from the site until issuance of the active EPA generator number.

II. INTRODUCTION AND SUMMARY OF CORRECTIVE ACTIONS

This report documents a series of corrective actions implemented in response to a field investigation at an equipment storage and vehicle parking yard by personnel from the DTSC and the issuance of a Summary of Violations (SOV) report detailing certain hazardous waste mismanagement practices observed at the subject property. Corrective actions included: (1) reviewing the SOV report to devise an appropriate work plan; (2) covering and securing open top drums and containers with lids, rings or other protective materials; (3) using a forklift to move all batteries, bins, buckets, cans, chemicals, drums, equipment and/or other miscellaneous containers from the barren earth open air yard to an adjacent, paved, temporary, storage and staging area that featured a protective metal canopy, security fence and locked gate; (4) conducting a hazardous waste audit or inventory to determine the condition of waste containers and suitability for transport; to test for pH, to denote olfactory character, material quantity (volume) and probable waste category in each container and to procure liquid and/or solid physical samples of unidentified waste substances for chemical analysis; (5) marking each container with a number and preparing a hazardous materials audit form for inventory reconciliation; (6) testing material samples at a licensed environmental laboratory for multiple analytes including gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MORO) by EPA Method 8015-M; benzene, toluene, ethylbenzene, xylenes (BTEX), VOCs, MTBE and other fuel oxygenates, ethanol and alcohols by EPA Method 8260-B; semi-VOCs and polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270-C; Title 22 metals by EPA Method 6010-B; metals (aqueous) by EPA Method 6000 series; polychlorinated biphenyls (PCBs) by EPA Method 8082; pH by EPA Method 9040; anions by EPA Method 300; surfactants (MBAS) by Standard Method 5540; cyanide compounds by Standard Method 4500; sulfides by EPA Method 376.2 and flash point by EPA Method 1010; (7) applying new lids, rings, bolts and threaded bungs to deficient drums; (8) repacking and/or overpacking substances inside corroded, leaking, substandard or otherwise unshippable drums and containers into new 55-gallon drums (metal or plastic), new 85-gallon drums (metal or plastic) and plastic-lined shipping boxes; (9) utilizing laboratory data to identify previously unknown substances or to obtain critical chemical characteristics that might influence the selection of safe shipping methods and appropriate designated facilities; (11) labeling each bin, box, commodity overpack, drum or other waste shipping container with the number from the hazmat audit form, generator name, chemical or material contents, date and designated facility destination; (12) applying a hazardous waste label with the proper Uniform Hazardous Waste Manifest tracking number to each shipping container; (13) pumping oily water and other oily liquids from buckets, drums and other miscellaneous containers into a 1,500-gallon capacity vacuum truck; (14) using a forklift to load waste shipping containers into an 18-wheel container truck; (15) using a forklift to load empty drums and buckets into a 10-wheel container truck; (16) reviewing and signing manifests that represented inventory of waste shipping containers loaded onto transport truck; (17) verifying active status of EPA ID number maintained by generator; (18) utilizing a hand auger with slide hammer and/or hand shovel and hammer to procure shallow soil samples from five areas in barren earth storage yard formerly used to stockpile hazardous waste in containers; (19) loading soil, mulch, vegetation and organic debris contaminated with absorbent "floor sweep" material, grease, motor vehicle fluids, solid fuel such as Tree Heat smudge pot bricks, waste oil and waste solvents contained in 55-gallon drums and lined 1.0-CY (one cubic yard) bins into a lined 20-CY roll-off bin; (20) sampling the soil in the roll-off bin to profile the chemical constituents for the designated waste disposal and/or recycling facility; (21) testing contaminated soil for lead concentration by Toxicity Characteristic Leaching Procedure (TCLP) or EPA Method 1311 and by Soluble Threshold Limit Concentration (STLC) or California WET Method at the request of the designated waste treatment and recycling facility; (22) employing a DOT-certified carrier to transport all manifested waste containers to designated waste disposal and/or recycling facilities; (23) employing a DOT-certified carrier to transport empty drums to designated reconditioning, crushing and recycling facility; (24) delivering industrial and vehicular batteries to local battery reconditioning and recycling facilities; (25) reviewing manifests returned by the designated waste disposal and/or recycling facilities; and (26) preparing a report that documents proper disposition of the above ground waste stream described in the DTSC SOV report and that includes photographs, hazmat audit form, laboratory findings, waste manifests, site map, recommendations and other technical data and exhibits to substantiate compliance with Title 22 regulations as stipulated in the DTSC SOV report.

III. HAZARDOUS MATERIALS AUDIT

A hazardous waste audit that included olfactory screening, pH testing and physical material sampling was conducted by the Chief Geologist from ENVIROGENESIS, Inc. and a Hazardous Materials Specialist from Starlite Reclamation Environmental Services on December 21, 2007, January 4, 2008 and January 16, 2008. Samples of unidentified liquids, suspect contaminated solids (soil matrix) and shallow, hand augered, soil samples were submitted to SunStar Laboratories, Inc. on January 4, 2008 and January 17, 2008. Additional soil samples were submitted to the laboratory on March 18, 2008 to determine the contaminant profile for the designated waste treatment and/or recycling facility.

Field Sampling and Laboratory Testing continued

IV. (B) FIELD SAMPLING AND LABORATORY TESTING (SALVAGE YARD)

A total of five soil samples was procured from the target areas formerly and temporarily used by the owners to store miscellaneous containers of dry chemicals, bins of smudge pot fuel bricks, drums of used oil and grease, cans of paint and protective coatings, barrels of used surfactants and wash water, containers of paint thinner and other solvents, bins and drums of mulch and soil, salvage internal combustion engine powered vehicles and other industrial detritus. One soil sample was obtained with a hand shovel from atop a concrete paved surface obscured by mud and standing water and four soil samples were obtained by hand auger with sampler and slide hammer.

Each soil sample was obtained to test a zone from ground surface to 12" or as deep as possible below ground surface (BGS) for evidence of unauthorized releases or for verification of clean soil environments underneath the former waste storage areas. Soil gas readings were recorded during the shallow intrusive soil investigations. Sample MLM-09 was procured from a topographic low area along the south property line; specifically, 5 feet from the south line (5' FSL) and 59 feet from the east line (59' FEL) where over 70 assorted containers of oily waste liquids, protective coatings, chemicals and rain water were formerly stored. Most containers were positioned upon wood pallets and the substrate was paved with concrete in most areas. Hand augered boring B-1 was located in the southwest quadrant of the yard (29' FWL & 84' FSL) between multiple bins with buckets, cans, drums and two fuel dispensers and a row of bins with salvage vehicular parts and two salvage vehicles. Hand augered boring B-2 was located along the west property line (19' FWL & 131' FSL) amongst multiple bins and drums containing protective coatings, used surfactants and waste water, solid fuel for smudge pots and suspect contaminated mulch and soil. Hand augered boring B-3 was located near the west property line (29' FWL & 143' FSL) amongst 19 bins of suspect contaminated mulch, soil and solid debris. Hand augered boring B-4 was located along the upper half of the western property line (10' FWL & 146' FNL) near bins and containers of protective coatings and thinners, used batteries, insulating oil, grease, citrus coating paraffin and scrap metal.

In general, the sampling point selected in each boring and the analytical test methods performed on the collected soil samples conformed to protocol described in Appendix A: Investigative Techniques [for] Soil Borings and Monitoring Wells and to Appendix B: Laboratory Analyses and Detection Limits for UST Cleanups contained within the Corrective Action Guidelines [for] Site Assessments and Cleanups as promulgated by the County of Riverside, Community Health Agency, Department of Environmental Health. Specifically, each soil sample at the five sample points was analyzed by two analytical methods; namely, (1) by EPA Method 8015-M to identify the full spectrum of total petroleum hydrocarbons (TPH) from C_6 to C_{40} that includes gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MORO) and (2) by EPA Method 8260-B for volatile organic compounds (VOC) such as benzene, toluene, ethylbenzene and xylenes (BTEX) and for fuel oxygenates such as methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE) and ethanol. Also, each soil sample with >100 ppm TPH concentration was analyzed for polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270-C and for inorganics or Title 22 metals including total lead by EPA Method 6010-B. Typically, soil samples in subsurface borings are collected in cases of notable lithology variation, visible staining, strong odor, high soil gas readings, poor sample recovery at standard sampling points and/or areas exhibiting anomalous field conditions. In the subject case the soil samples were restricted to a depth of 12" BGS due to highly resistant (hard pan) soil conditions. Deeper intrusive investigations must be conducted using hollow stem auger drilling methods due to hard drilling conditions. In any event the hand augered borings yielded useful information regarding the shallow soil environment in former waste storage areas.

Specifically, elevated concentrations of target contaminants were identified in the near surface samples as follows: TPH in MLM-09, B-2 and B-3; VOCs (m,p-xylene only) in B-3; and semi-VOCs in B-2. Lead was identified in MLM-09, B-2 and B-3.

A quick reference table is presented on the following page with information regarding the hand augering, soil sampling, soil gas testing and laboratory testing programs implemented during shallow soil investigations at the subject salvage yard site.

Field Sampling and Laboratory Testing continued

TABLE No. 3: Sampling and Testing Programs (Salvage Yard Soil Sampled 01/17/08)

SAMPLE	LOCATION	SAMPLE POINTS	TEST METHODS	COMMENTS & FINDINGS
MLM-09	South property line; 5.0' FWL & 59' FEL	Ground surface to 3.0" BGS; concrete paved substrate	8015-M (C_6-C_{40}) 8260-B (full scan) 8270-C (semi-VOCs) 6010-B (metals)	GRO = ND DRO = 110 ppm MORO = 700 ppm VOCs = ND Semi-VOCs = ND Lead = 59 mg/kg (ppm) OVA = ND
B-1	Southwest part of yard; 29' FWL & 84' FSL	Drive sample from 6" BGS to 12" BGS into stainless steel sleeve with sampler and slide hammer from auger kit; blow count = 60	8015-M (C_6-C_{40}) 8260-B (full scan)	TPH = ND VOCs = ND OVA = ND
B-2	Mid-west part of yard; 19' FWL & 131' FSL	Drive sample from 3" BGS to 9" BGS into stainless steel sleeve with sampler and slide hammer from auger kit; blow count = 75	8015-M (C_6-C_{40}) 8260-B (full scan) 8270-C (semi-VOCs) 6010-B (metals)	GRO = 24 ppm DRO = 150,000 ppm MORO = 42,000 ppm VOCs (BTEX) = ND Methylene chloride = 5.8 ppb 2,4-Dinitrotoluene = 2,800 ppb Phenanthrene = 360 ppb Lead = 4.5 mg/kg OVA = 3.9 ppm
B-3	Mid-west part of yard; 29' FWL & 143' FSL	Drive sample from 3" BGS to 9" BGS into stainless steel sleeve with sampler and slide hammer from auger kit; blow count = 75	8015-M (C_6-C_{40}) 8260-B (full scan) 8270-C (semi-VOCs) 6010-B (metals)	GRO = 74 ppm DRO = 100,000 ppm MORO = 73,000 ppm m,p Xylene = 5.3 ppb Semi-VOCs = ND Lead = 39 mg/kg OVA = 1.8 ppm
B-4	Mid-west part of yard; 10' FWL & 146' FNL	Drive sample from 3" BGS to 9" BGS into stainless steel sleeve with sampler and slide hammer from auger kit; blow count = 75	8015-M (C_6-C_{40}) 8260-B (full scan)	TPH = ND VOCs = ND OVA = ND

Key:
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
MORO = Motor Oil Range Organics
VOCs = Volatile Organic Compounds
ND = Not detected or below detection limit
ND = Not detected or below detection limit
mg/kg = milligrams per kilogram
ppm = parts per million
ppb = parts per billion
OVA = Organic Vapor Analyzer

V. FIELD OPERATIONS LOG

Personnel from MLM Trucking, Inc. relocated hazardous waste containers and materials from the salvage yard (DTSC complaint inspection area) to the west adjacent property on January 2, 2008 and January 7, 2008. The hazardous waste audit was conducted on December 21, 2007, January 4, 2008 and January 16, 2008. Shallow soil samples were collected from the salvage yard on January 17, 2008. Hazardous waste disposition activities were conducted from March 11, 2008 to March 18, 2008. A 20-CY roll-off bin with contaminated soil was removed from the temporary storage area on April 11, 2008 after the off-site laboratory completed RCRA-regulated waste determination testing and after the load was approved by the designated waste treatment and disposal facility.

VI. WASTE DISPOSITION SUMMARY

The hazardous waste materials and associated chemical constituents quantified, qualified or otherwise identified within this report were properly audited, examined, relocated, handled, identified, consolidated, repackaged, transferred, contained, sampled, tested, labeled, profiled, transported, tracked, reported, disposed or treated and recycled pursuant to applicable hazardous materials management and disposition regulations. Waste disposition items included used industrial and vehicular batteries, off-specification chemicals (solids and liquids), miscellaneous used motor vehicle fluids, waste oils, waste greases, oily sludges, used buckets and drums, gelatinous waste waters, fruit preservation paraffin, wax products, wood glue, bitumen (solid), frost-inhibiting solid fuel bricks, waste paint and protective coatings, old gasoline and diesel fuel and contaminated (oily) mulch and soil.

Starlite Reclamation Environmental Services (SRES) of Ontario, California (EPA #CAR000148296) was the designated, DOT-certified, hazardous waste contractor for collecting, packaging and transporting the waste materials from the subject property. All hazardous waste materials were transported under proper Uniform Hazardous Waste Manifest to specific designated disposal, treatment and/or recycling facilities based upon identified waste category. Waste classes and designated facilities included the following:

1. Personnel from MLM Trucking transported used batteries to Battery Center, Inc. in San Bernardino, California on January 15, 2008 for salvage resale and recycling (Ck#6874). Additional used batteries were collected and transported to Battery Systems in Long Beach, California on February 6, 2008 for disposal.

2. A total of 740 gallons of oily liquid wastes collected from miscellaneous bins, buckets, cans and drums was transported in a SRES vacuum truck to Filter Recycling, Inc. in Rialto, California on March 11, 2008 under Uniform Hazardous Waste Manifest Tracking #004083753JJK.

3. Miscellaneous flammable liquids such as gasoline, isopropyl alcohol and oil-based paints; flammable solids such as smudge pot fuel; sulfuric acid and sodium hydroxide were transported by SRES 18-wheel truck to Crosby & Overton in Long Beach, California on March 14, 2008 under Uniform Hazardous Manifest Tracking #004083761JJK, #004083762JJK and #004083764JJK.

4. Non-RCRA hazardous waste liquids such as beeswax and water, diesel fuel, grease, latex paint, oily water and wood glue; and non-RCRA hazardous waste solids such as roof tar and soda ash were transported by SRES 18-wheel truck to A. A. Sydcol, L.L.C. in Yuma, Arizona on March 24, 2008 under Uniform Hazardous Waste Manifest Tracking #004083763JJK and #004083765JJK.

5. One drum of waste perchloroethylene, oil and water was transported by SRES 18-wheel truck to Veolia Environnement in Azusa, California on March 25, 2008 under Uniform Hazardous Waste Manifest Tracking #004083779JJK.

6. Used empty buckets, cans and drums were disposed at the SRES yard or delivered to the B. Stephen Cooperage, Inc. drum reconditioning and recycling facility in Ontario, California on March 14, 2008.

7. One, 20-CY, roll-off bin containing soil contaminated with oil, diesel and lead was retrieved from the subject property on April 11, 2008, stored at the Starlite yard on a temporary basis for three days and transported to U.S. Ecology in Beatty, Nevada on or about April 15, 2008 under Uniform Hazardous Waste Manifest Tracking #004083831 for treatment, stabilization (solidification) and disposal as solid waste in a landfill.

VII. WASTE TRACKING AND INVENTORY RECONCILIATION

The Department of Toxic Substances Control of the California Environmental Protection Agency issued a Waste Generator identification number to the subject property known as MLM Truck & Auto Repair on January 8, 2008. Each specific class or category of hazardous waste material was segregated into an appropriate secure containment with other compatible waste materials and/or substances to ensure safe storage and transportation to the designated facility. Containment environments used to store hazardous wastes at the subject project site included 55-gallon drums (metal and plastic), 85-gallon drums (metal and plastic), one cubic yard (1-CY) commodity pack shipping boxes, a 20-CY roll-off bin and a 1,500-gallon vacuum truck. All wastes collected and handled at the subject property were transported off-site under proper hazardous waste manifesting guidelines. A general summary of the waste tracking manifests, waste material descriptions, waste volumes and designated facilities is presented in the table below and in the table on the following page:

TABLE No. 4 (a): Waste Disposition and Tracking Summary

MANIFEST #	HAZWASTE DESCRIPTION	HAZWASTE QUANTITY	FACILITY	AUDIT ID #
004083753JJK Date: 03/11/08	Non-RCRA liquid hazardous wastes: oily water, oily liquids, waste oil and water, hydrogenated motor oil and water, insulating oil and water and any other miscellaneous oily liquid wastes and water	740 gallons pumped from all or portions of 18 drums and multiple buckets	Filter Recycling Service, Inc. Rialto, CA 92316	#1, #4, #5, #7, #8, #12, #14, #15, #21, #23, #25, #31, #34, #35, #45, #48, #49 & #54
004083761JJK Date: 03/14/08	Waste flammable liquids: isopropyl alcohol, acetone and thinner; Waste sulfuric acid; Waste sodium hydroxide solution; Waste flammable liquids: oil-based paints	Two 55-gallon drums with @85 gallons total volume; One 55-gallon drum and one 85-gallon drum with @85 gallons total volume; One 55-gallon drum with @35 gallons total volume; Two 1-CY shipping boxes weighing @3,000 pounds	Crosby & Overton Long Beach, CA 90813	#17A & #17B; #11 & #OP-20; #18; Part of #29, #30, #48, #55 & #56
004083762JJK Date: 03/14/08	Waste flammable liquids: gasoline and water; Waste flammable solids: Socony Mobil brand "Tree Heat" solid fuel bricks; citrus freeze inhibitor for smudge pots	One 55-gallon drum and one 85-gallon drum with @80 gallons total volume; Two 1-CY shipping boxes weighing 1,428 pounds	Crosby & Overton Long Beach, CA 90813	#OP-40 & #46; N/A: two 1-CY boxes
004083764JJK Date: 03/17/08	Non-RCRA liquid hazardous wastes: oily water, grease, sludge, oily debris and latex paint; Non-RCRA solid hazardous waste: roof tar; Non-RCRA solid hazardous waste: soda ash	Six 55-gallon drums and four 85-gallon drums with @450 gallons total volume and two 1-CY shipping boxes weighing 2,000 lbs.; One 85-gallon drum weighing 300 pounds; Two 1-CY shipping boxes weighing 2,000 lbs.	A.A. Sydcol, LLC Yuma, AZ 85365	#2, #33, #37, #39, #47, #51, #OP-19, #OP-32, #OP-50 & #OP-53; part of #29, #30, #48, #55 & #56; #OP-6; #28
004083763JJK Date: 03/17/08	Non-RCRA liquid hazardous wastes: oily water, grease and water, sludge and oily water and paint; Non-RCRA liquid hazardous waste: beeswax and water; Non-RCRA liquid hazardous waste: wood glue	Two 55-gallon drums and three 85-gallon drums with @250 gallons total volume One 55-gallon drum with @45 gallons total volume; One 85-gallon drum with @30 gallons total volume	A.A. Sydcol, LLC Yuma, AZ 85365	#10, #16, #OP-36, #OP-38 & #OP-44; #24 & #26; #OP-3
004083765JJK Date: 03/17/08	Non-RCRA liquid hazardous waste: diesel fuel; Non-RCRA solid hazardous waste: soda ash	One 55-gallon drum with @30 gallons total volume; One 55-gallon drum with @400 lbs. of soda ash	A.A. Sydcol, LLC Yuma, AZ 85365	#41; #58

TABLE No. 4 (b): Waste Disposition and Tracking Summary

MANIFEST #	HAZWASTE DESCRIPTION	HAZWASTE QUANTITY	FACILITY	AUDIT ID #
004083779JJK Date: 03/14/08	Waste perchloroethylene, water, oily and oily waste liquids	One 55-gallon drum with @50 gallons total volume	Veolia Environnement Azusa, CA 91702	#27 & #57
Ticket #644702 Date: 01/15/08	Industrial and equipment batteries	Multiple large industrial and equipment batteries	Battery Center, Inc. San Bernardino, CA 92408	N/A
Ticket #167039 Date: 02/06/08	Industrial, equipment and vehicular batteries	13 batteries	Battery Systems Long Beach, CA 90809	N/A
Date: 03/11/08, 03/14/08 and 03/18/08	Empty buckets and drums from waste consolidation and pumping into vacuum truck	5-gallon metal: 30 5-gallon plastic: 11 10-gallon plastic: 1 15-gallon metal: 1 20-gallon metal: 2 55-gallon metal: 49 55-gallon poly: 8 85-gallon metal: 6 85-gallon poly: 8	B. Stephen Cooperage Ontario, CA	N/A; 32 drums were delivered to facility by SRES
004083831 Date: 04/11/08	Decharacterized waste containing underlying hazardous constituents (UHCs); soil contaminated with oil, diesel and lead; solid hazardous waste	One 20-CY roll-off bin containing soil from 12 55-gallon drums and eight 1-CY bins; est. 24,000 lbs.	U.S. Ecology Beatty, NV 89003	#42, #43 and "soil"

VIII. CONCLUSIONS AND RECOMMENDATIONS

This document titled "Hazardous Waste Disposition and Regulatory Compliance Report" is hereby submitted to the California Environmental Protection Agency, Department of Toxic Substances Control and other interested parties as definitive proof that the hazardous waste materials and associated chemical constituents quantified, qualified and/or otherwise identified and referenced within the subject report were accurately and properly audited, examined, described, relocated, handled, consolidated, repackaged, transferred, contained, sampled, tested, characterized, labeled, profiled, transported, tracked, reported, disposed or treated and recycled pursuant to hazardous materials management and disposition practices and regulations applicable to the waste materials formerly stored and the waste management practices formerly exhibited at the MLM Trucking, Inc. Howard Avenue Yard in Riverside, California. Further, waste disposition items that included used industrial and vehicular batteries, off-specification chemicals (solids and liquids), miscellaneous used motor vehicle fluids, waste oils, waste greases, oily sludges, used buckets and drums, gelatinous waste waters, fruit preservation paraffin, wax products, wood glue, bitumen (solid), frost-inhibiting solid fuel bricks, waste paint and protective coatings, old gasoline and diesel fuel and contaminated (oily) mulch and soil have been physically removed from the subject property for appropriate disposition at designated waste facilities.

The substandard hazardous materials management practices highlighted in the DTSC Summary of Violations (SOV) [Field] Report dated December 18, 2007; the expired Facility Generator Number issue mentioned in the DTSC Inspection Report dated January 3, 2008; and the soil sampling requested in the DTSC Corrective Actions letter dated March 10, 2008 have been appropriately and responsibly addressed by the property owner. To wit, the SOV issues have been cured, mitigated and/or remedied in full; the near surface soil in the former storage yard has been sampled and tested; and the subject report and associated exhibits provide documented physical evidence of legal regulatory compliance.

Conclusions and Recommendations continued

Any remaining drums or containers of waste materials deemed hazardous or suspicious to the untrained public eye are not the property of MLM Trucking, Inc. or their affiliates but must be considered a part of intermittent ongoing soil and/or ground water characterization and/or remediation projects conducted by the gas company, local utilities and/or proposed redevelopment agencies and entities and their contractors and consultants. Future complaints to the DTSC that involve metal drums; soil excavation; ground improvement; ground water well installation, testing or destruction; or other actions of interest to the viewing public are not a part of the business operations conducted by MLM Trucking, Inc. or their affiliates.

No other actions are deemed necessary to correct the specific DTSC violations and to achieve compliance with current hazardous waste management and disposal regulations. However, based upon soil sampling and testing additional near surface investigations and potential excavation and disposal (dig and haul) operations to remove an unknown quantity of TPH-impacted soil shall be required to attain residential clean-up standards in some former waste storage areas in the Howard Avenue salvage yard. Upon request the property owner shall authorize a qualified consultant to prepare a Corrective Action Work Plan and Site Specific Health and Safety Plan for review by appropriate regulatory oversight agency personnel.

IX. LIMITATIONS

The corrective actions documented in the subject report pertain to substandard hazardous waste management practices and substandard environmental conditions found at ground surface or stacked above ground surface within a fenced salvage yard and parking lot where certain quantities of hazardous chemicals, equipment parts, materials and substances were stockpiled for an indeterminate period of time (two years more or less). The hazardous materials and/or items reported on the audit form were consolidated in multiple cases; however, all classes, quantities, volumes and measures of listed wastes were clearly reconciled with careful tracking and inventory control methods. In general, the corrective actions were focused upon containers and assemblages of waste materials situated upon the native ground surface, a paved ground surface, on wood pallets or otherwise stacked and located in a visible and accessible environment. A determination of subsurface impact was not a part of the scope of work to remedy the administrative or operational deficiencies of the property owner as specified by the DTSC. All known surface sources of potential hazardous waste contamination have been removed; therefore, the merit and/or environmental benefit of intrusive investigations other than the near surface confirmation sampling and testing must be determined by risk assessment personnel at the DTSC. Potential unknown hazardous materials, substances or wastes that may be located within inaccessible areas of the yard or that may be buried in the subsurface domain were not a part of the scope of work for this project. Any other report deficiencies such as missing records, variances between estimated and actual facility measured quantities, partially executed manifests or tracking forms have been submitted as temporary exhibits until final documents are received by designated facilities or other parties. Corrective actions have been performed in a professional manner according to best available engineering practices and hazardous waste items have been safely handled, contained, removed and transported to appropriate off-site facilities for disposal, destruction, treatment or recycling and reuse to the best of our knowledge based upon legal manifesting records.

X. CLOSING

The subject Hazardous Waste Disposition and Regulatory Compliance Report has been prepared by Mr. Benjamin Lawrence Barnes, III, PG, REA, CAC, our Chief Geologist and General Manager, under the supervision of Mr. Steven Maddox, RG (CA#4814), CHG (CA#298), our Chief Hydrogeologist and Field Operations Manager, as a confidential document for the exclusive use of our Client, the Department of Toxic Substances Control of the California EPA and other concerned parties or agents authorized by our Client and/or the regulatory agency or agencies-in-charge.

This report is hereby submitted on behalf of our Client in fulfillment of reporting requirements mandated by the named regulatory agency. Additionally, this report is hereby submitted as a demonstration of compliance and fulfillment of certain corrective hazardous waste management and disposition actions mandated by the named regulatory agency in their Summary of Violations and other related reports and enforcement memoranda. The named regulatory agency shall determine and verify that the property owner and/or designated generator has implemented all appropriate corrective actions, remedies and cures in a satisfactory manner to achieve acceptable compliance.

Scale 1" = 100'

Map Produced on March 31, 2008 by plan2

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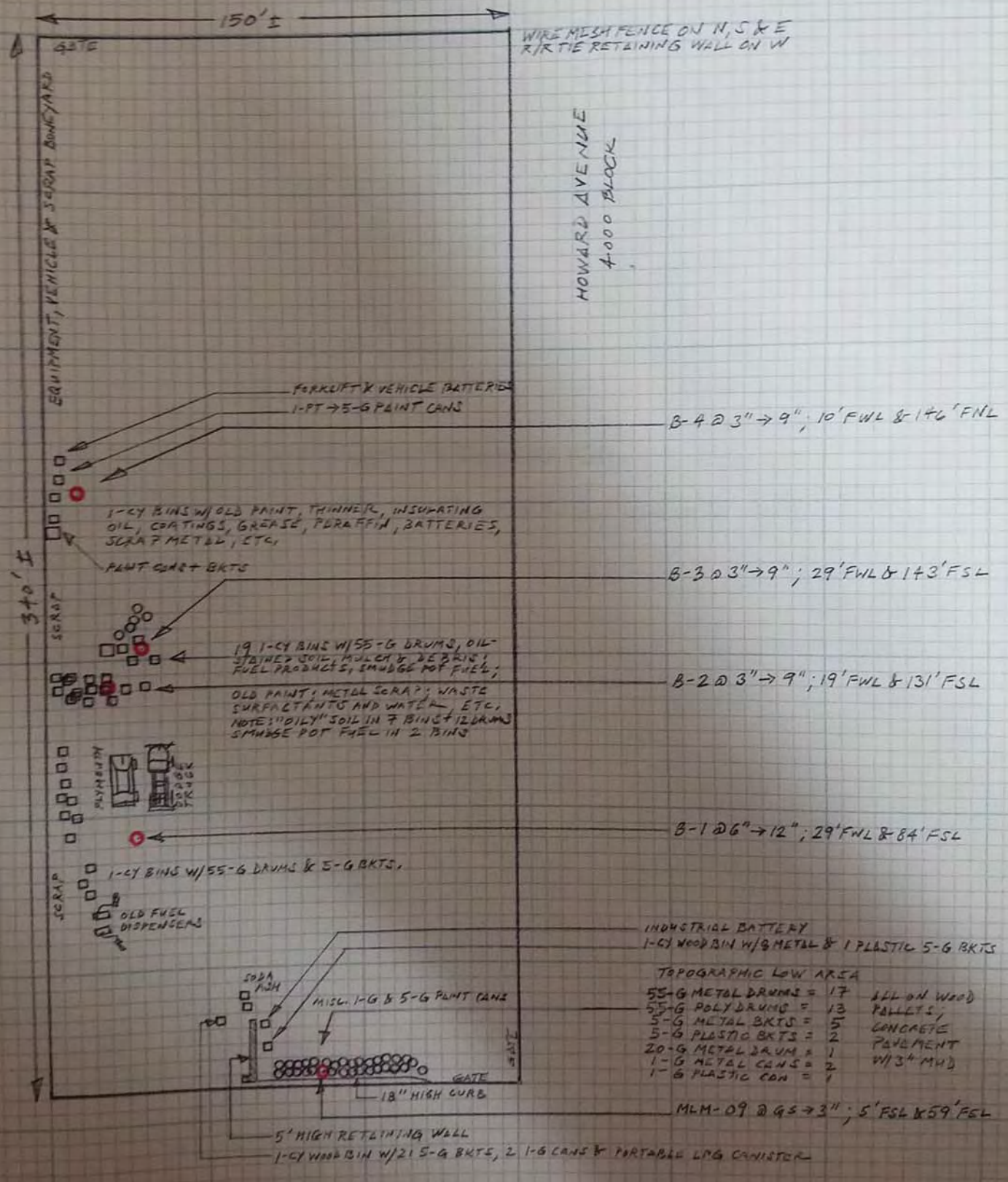
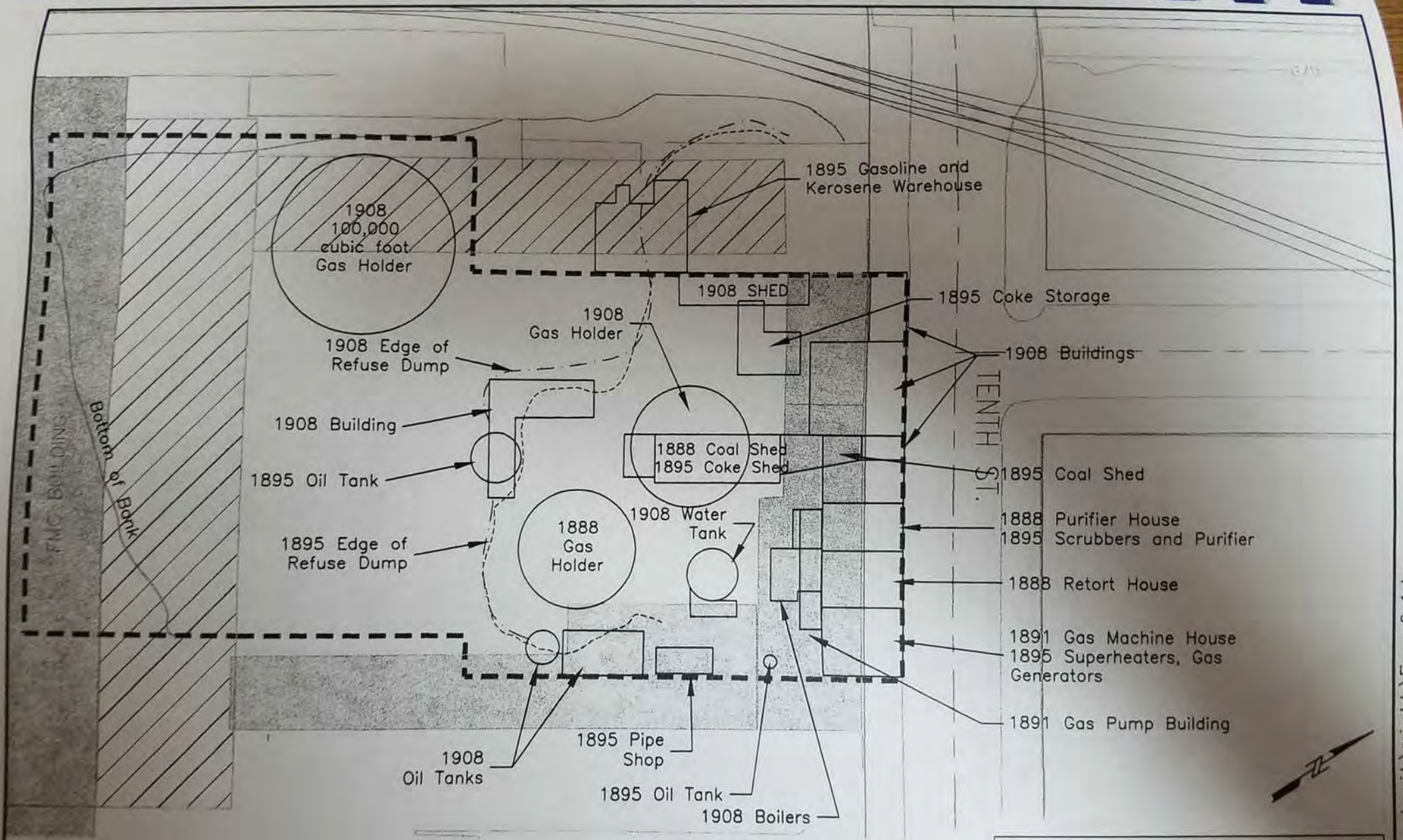
RIVERSIDE, CALIFORNIA

TENTH STREET
3000 BLOCK



ELEVENTH STREET
WEST TERMINUS

12-21-07



NOTE: 1) BASE MAP DERIVED FROM MAP CREATED BY AIRBORNE SYSTEMS, CIRCA 1985–1993.

2) LOCATIONS OF AWNINGS, WELLS, AND PEA BORINGS ARE APPROXIMATE.

LEGEND

— — — — — FORMER MGP PROPERTY

25 0 50

SCALE IN FEET

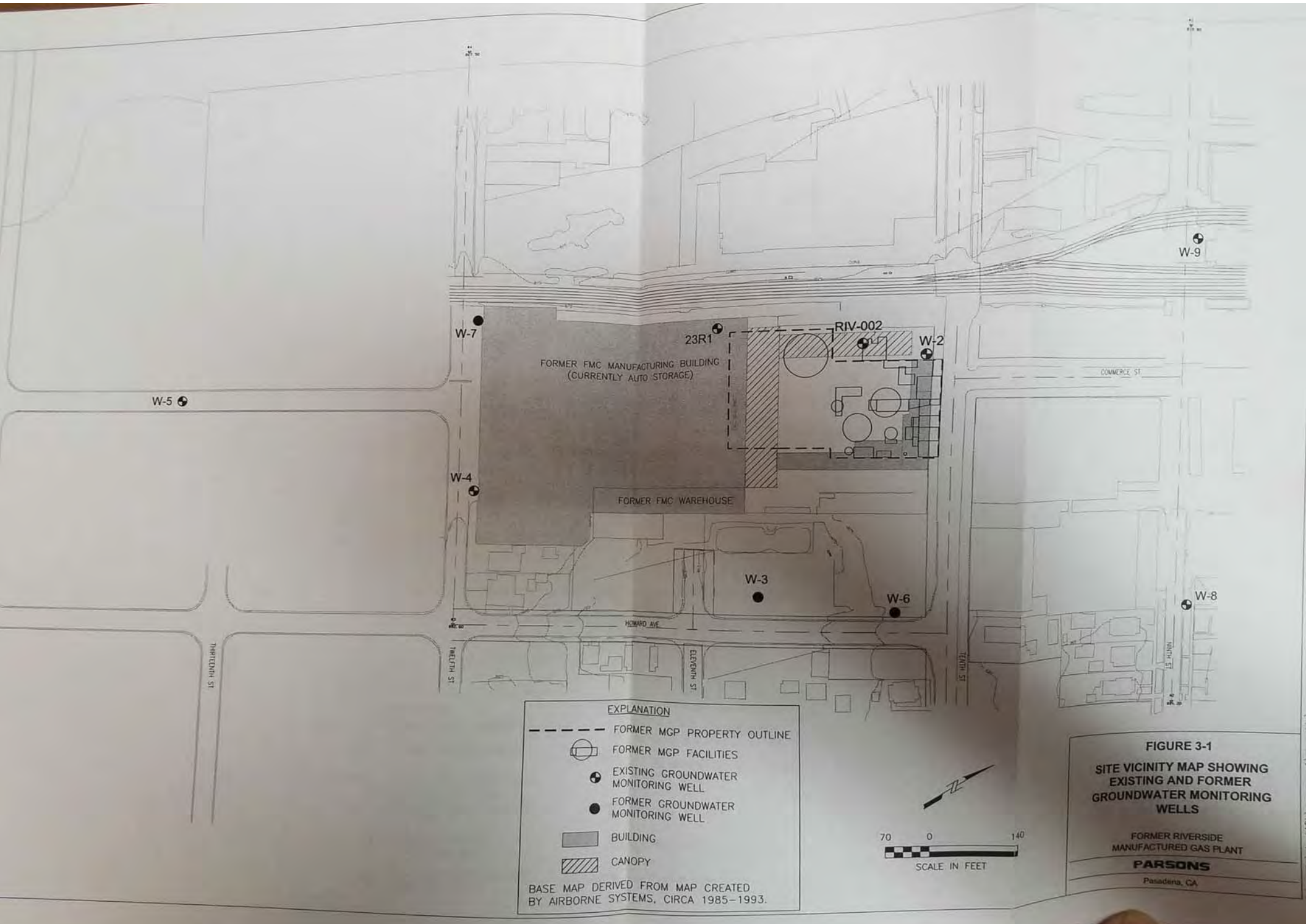
PARSONS

SUPPLEMENTAL SITE INVESTIGATION REPORT
FORMER RIVERSIDE MANUFACTURED GAS PLANT
The Gas Company (SCGC1–15437–400)

MGP ERA FEATURE MAP

DATE: August 2004 | DRWN: N.S. | FILE: 15437S010

FIGURE 2-1


W-9
W-7
23R1
RIV-002
W-2
FORMER FMC MANUFACTURING BUILDING
(CURRENTLY AUTO STORAGE)
COMMERCE ST
W-5
W-4
FORMER FMC WAREHOUSE
W-3
W-6
W-8
HOWARD AVE
THIRTEENTH ST
TWELFTH ST
ELEVENTH ST
TENTH ST
NINTH ST
EXPLANATION
FORMER MGP PROPERTY OUTLINE
FORMER MGP FACILITIES
EXISTING GROUNDWATER MONITORING WELL
FORMER GROUNDWATER MONITORING WELL
BUILDING
CANOPY
BASE MAP DERIVED FROM MAP CREATED BY AIRBORNE SYSTEMS, CIRCA 1985–1993.
70 0 140
SCALE IN FEET
FIGURE 3-1
SITE VICINITY MAP SHOWING EXISTING AND FORMER GROUNDWATER MONITORING WELLS
FORMER RIVERSIDE MANUFACTURED GAS PLANT
PARSONS
Pasadena, CA

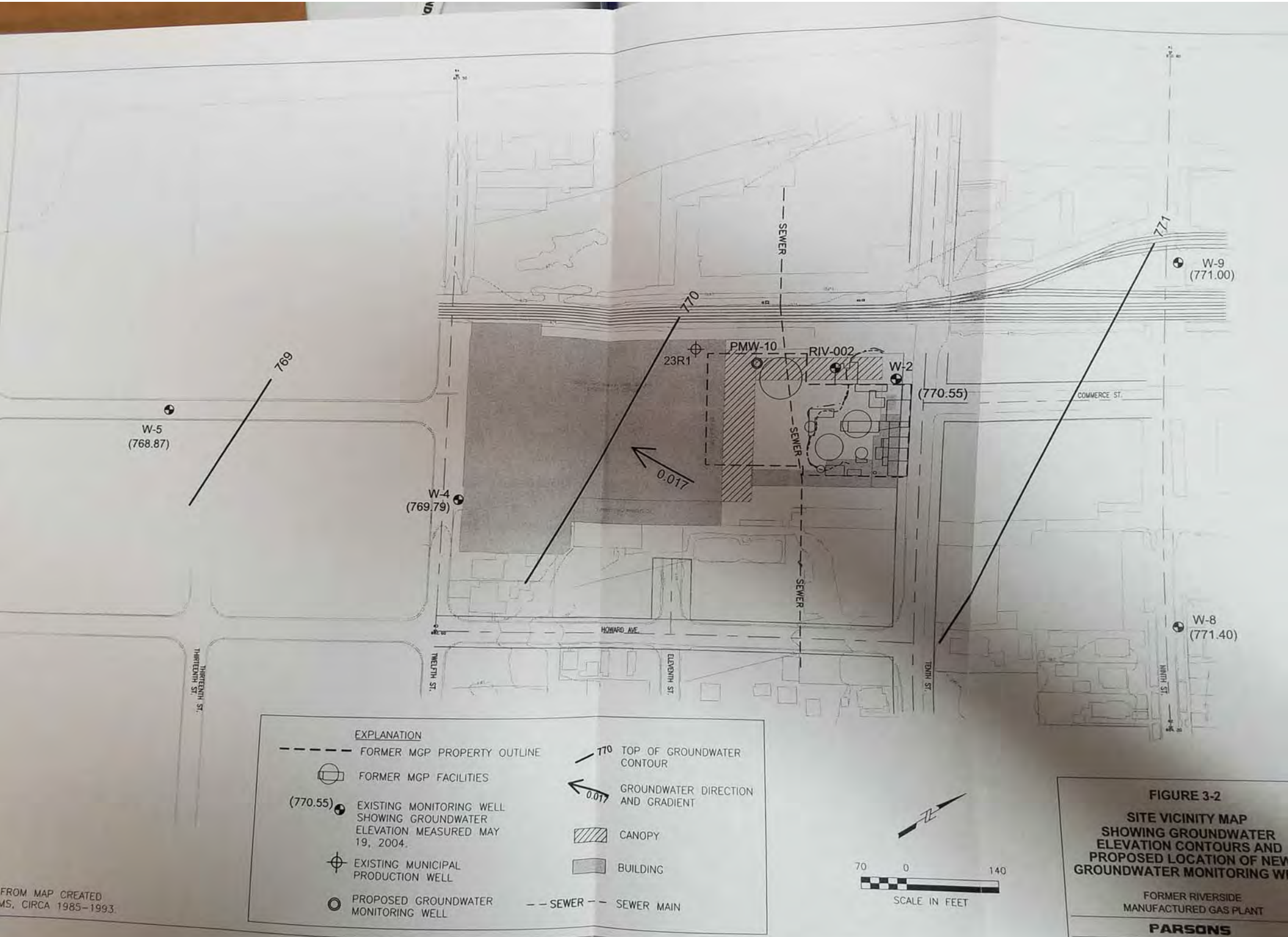


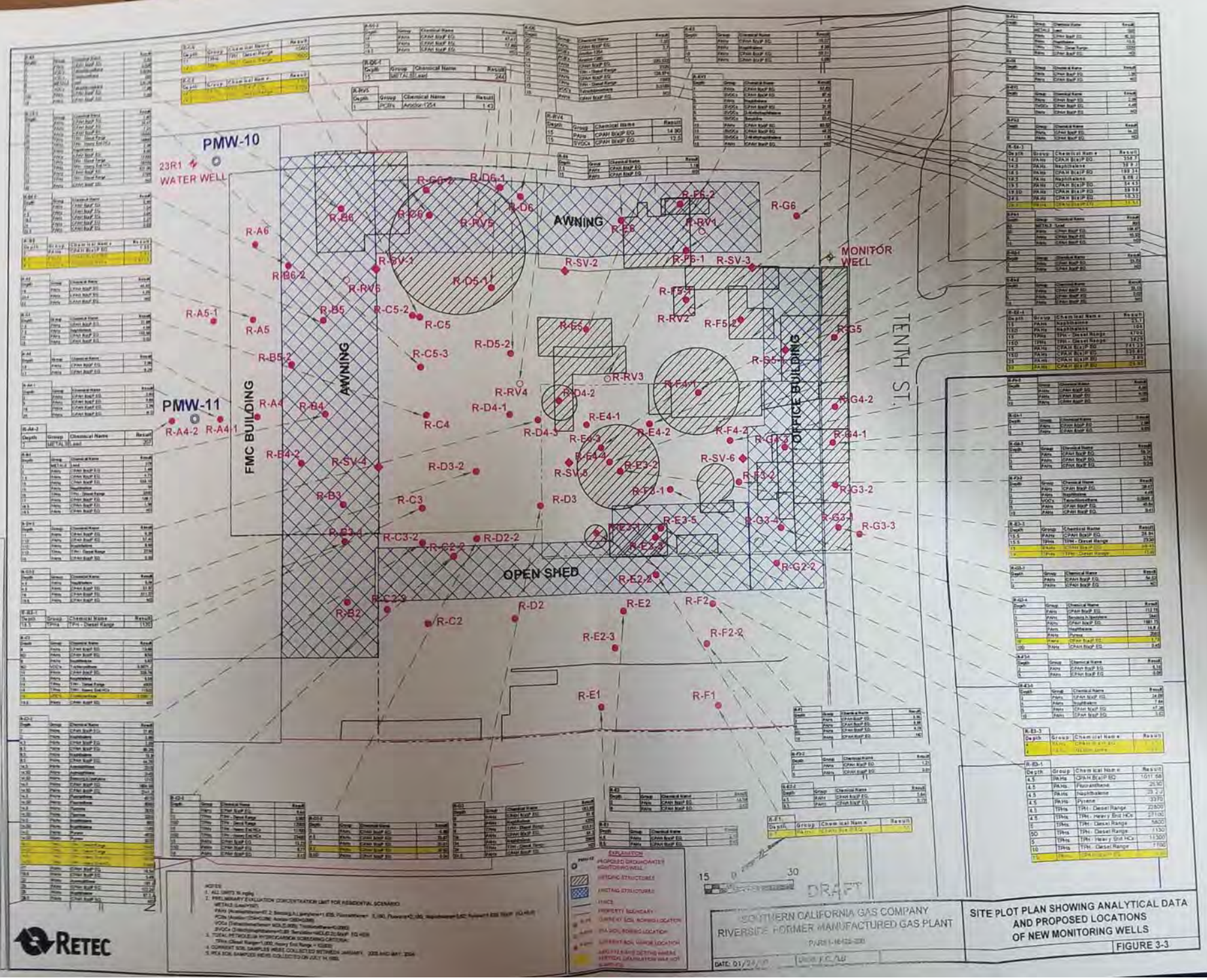
FIGURE 3-2

SITE VICINITY MAP SHOWING GROUNDWATER ELEVATION CONTOURS AND PROPOSED LOCATION OF NEW GROUNDWATER MONITORING W

FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

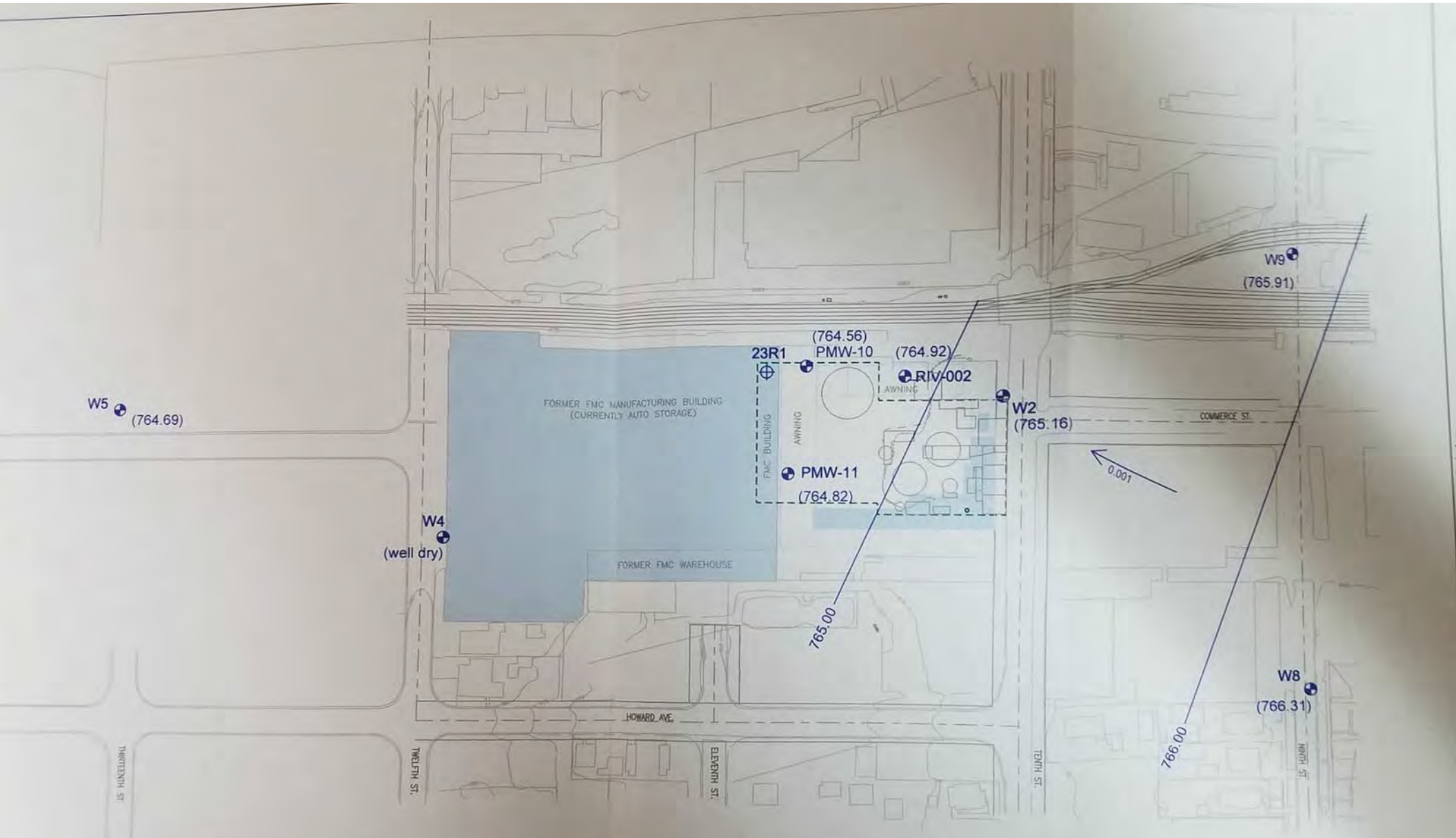


SITE PLOT PLAN SHOWING ANALYTICAL DATA AND PROPOSED LOCATIONS OF NEW MONITORING WELLS

FIGURE 3-3

W5
W4
23R1
PMW-10
RIV-002
W2
PMW-11
W8
FORMER FMC MANUFACTURING BUILDING
(CURRENTLY AUTO STORAGE)
FMC BUILDING
AWNING
FORMER FMC WAREHOUSE
HOWARD AVE.
TWELFTH ST.
ELEVENTH ST.
TENTH ST.
NINTH ST.
THIRTEENTH ST.
EXPLANATION
FORMER MGP PROPERTY OUTLINE
FORMER MGP FACILITIES
MONITORING WELL
MUNICIPAL PRODUCTION WELL
EXISTING CANOPY
EXISTING BUILDING
50 0 100
SCALE IN FEET
FIGURE 2-1
SITE VICINITY MAP SHOWING
LOCATION OF GROUNDWATER
MONITORING WELLS
FORMER RIVERSIDE
MANUFACTURED GAS PLANT
PARSONS
Pasadena, CA

2005.



EXPLANATION

- FORMER MGP PROPERTY OUTLINE
- FORMER MGP FACILITIES
- (764.69) MONITORING WELL SHOWING GROUNDWATER ELEVATION MEASURED AUGUST 2005.
- MUNICIPAL PRODUCTION WELL
- 766 TOP OF GROUNDWATER CONTOUR
- 0.001 GROUNDWATER DIRECTION AND GRADIENT
- EXISTING CANOPY
- EXISTING BUILDING

50 0 100
SCALE IN FEET

ED BY
3, AS
MBER 2005.

FIGURE 4-1

SITE VICINITY MAP SHOWING GROUNDWATER ELEVATION CONTOURS

FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

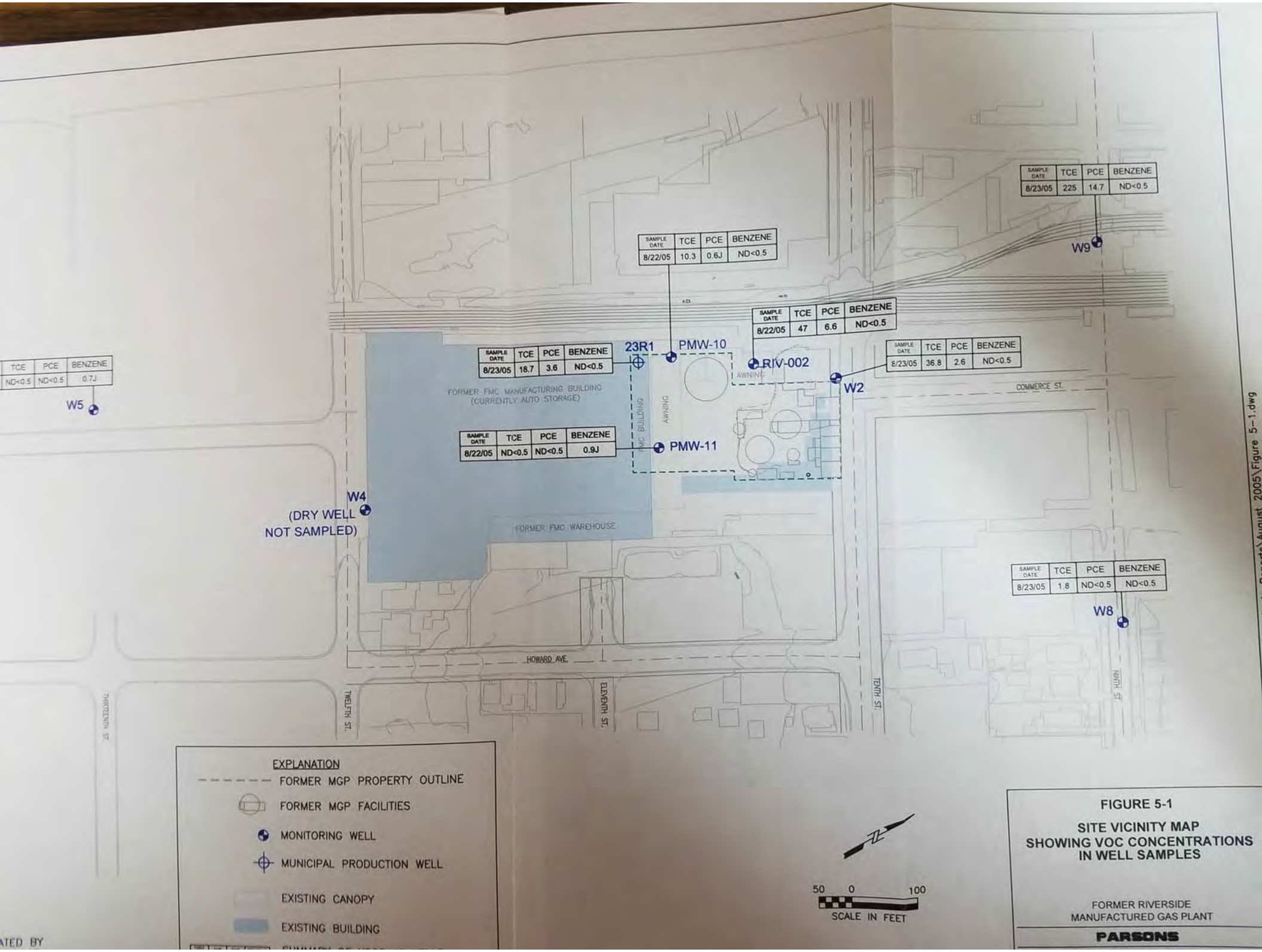

SAMPLE DATE | TCE | PCE | BENZENE
8/23/05 | 225 | 14.7 | ND<0.5
W9
SAMPLE DATE | TCE | PCE | BENZENE
8/22/05 | 10.3 | 0.6J | ND<0.5
SAMPLE DATE | TCE | PCE | BENZENE
8/22/05 | 47 | 6.6 | ND<0.5
SAMPLE DATE | TCE | PCE | BENZENE
8/23/05 | 36.8 | 2.6 | ND<0.5
W2
COMMERCE ST.
23R1
PMW-10
RIV-002
AWNING
SAMPLE DATE | TCE | PCE | BENZENE
8/23/05 | 18.7 | 3.6 | ND<0.5
FORMER FMC MANUFACTURING BUILDING
(CURRENTLY AUTO STORAGE)
FMC BUILDING
AWNING
SAMPLE DATE | TCE | PCE | BENZENE
8/22/05 | ND<0.5 | ND<0.5 | 0.9J
PMW-11
TCE | PCE | BENZENE
ND<0.5 | ND<0.5 | 0.7J
W5
W4
(DRY WELL
NOT SAMPLED)
FORMER FMC WAREHOUSE
SAMPLE DATE | TCE | PCE | BENZENE
8/23/05 | 1.8 | ND<0.5 | ND<0.5
W8
HOWARD AVE.
TWELFTH ST.
ELEVENTH ST.
TENTH ST.
NINTH ST.
THIRTEENTH ST.
EXPLANATION
FORMER MGP PROPERTY OUTLINE
FORMER MGP FACILITIES
MONITORING WELL
MUNICIPAL PRODUCTION WELL
EXISTING CANOPY
EXISTING BUILDING
50 0 100
SCALE IN FEET
FIGURE 5-1
SITE VICINITY MAP
SHOWING VOC CONCENTRATIONS
IN WELL SAMPLES
FORMER RIVERSIDE
MANUFACTURED GAS PLANT
PARSONS
ATED BY

Table 5-1
Summary of Analytical Results for TPH, VOCs, and PAHs
Former Riverside MGP Site, California

Well	Date	Analytical Results (TPH mg/L, all others ug/L)										
		TPH[a] as gasoline	TPH[a] as diesel/oil	benzene	1,1-DCE[b]	1,1-DCE[c]	chloroform	cis-1,2-DCE[d]	TCE[e]	PCE[f]	other VOCs[g]	PAHs[h]
W-2	8/23/2005	ND<0.005	ND<0.1	ND<0.5	ND<0.5	3.7	1.0	1.0	36.8	2.5	ND	ND<0.1
W-4	8/22/2005	NS	NS	NS	ND<0.5	NS	NS	NS	NS	NS	NS	NS
W-5	8/22/2005	ND<0.005	ND<0.1	0.7J	ND<0.5	ND<0.5	0.6J	ND<0.5	ND<0.5	ND<0.5	ND	ND<0.1
W-8	8/23/2005	ND<0.005	ND<0.1	ND<0.5	ND<0.5	0.9J	0.5J	ND<0.5	1.8	ND<0.5	ND	ND<0.1
W-9	8/23/2005	ND<0.005	ND<0.1	ND<0.5	ND<0.5	1.4	0.7J	ND<0.5	225.0	14.7	ND	ND<0.1
PMW-10	8/22/2005	ND<0.005	ND<0.1	ND<0.5	ND<0.5	3.2	0.7J	0.8J	10.3	0.6J	ND	ND<0.1
PMW-13 (Dup of PMW-10)	8/22/2005	ND<0.005	ND<0.1	ND<0.5	ND<0.5	3.2	0.8J	0.8J	10.3	0.6J	ND	ND<0.1
PMW-11	8/22/2005	ND<0.005	ND<0.1	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND<0.1
RIV-002	8/22/2005	ND<0.005	ND<0.1	ND<0.5	ND<0.5	7.8	1.2	1.0	47.0	6.6	ND	ND<0.1
23-R1 (fill well)	8/23/2005	ND<0.005	ND<0.1	ND<0.5	1.7	ND<0.5	0.8J	ND<0.5	18.7	3.6	ND	ND<0.1

NOTES:

(a) TPH = total petroleum hydrocarbons
(b) 1,1-DCA = 1,1-Dichloroethane
(c) 1,1-DCE = 1,1-Dichloroethene
(d) *cis*-1,2-DCE = *cis*-1,2-dichloroethene
(e) TCE = trichloroethene
(f) PCE = tetrachloroethene
(g) VOCs = volatile organic compounds.
(h) PAHs = polynuclear aromatic hydrocarbons
(i) ND = Not detected at or above the indicated laboratory detection limit.
(j) J = flagged by laboratory, result is estimated value below the reporting limit.
(k) NS = Not sampled, well WAS dry on day of monitoring event.

Table 3-2
Groundwater Elevation Data
Former Riverside MGP Site, California

Well	Date	Depth to Water (ft bgs)(a)	Top of Casing Elevation (ft msl)(b)	Groundwater Elevation (ft msl)	Comments
W-2	8/22/2005	111.00	876.16	765.16	
W-4	8/22/2005	well dry	876.40	well dry	
W-5	8/22/2005	111.77	876.46	764.69	
W-8	8/22/2005	115.24	881.55	766.31	
W-9	8/22/2005	109.21	875.12	765.91	
PMW-10	8/22/2005	112.00	876.56	764.56	
PMW-11	8/22/2005	111.45	876.27	764.82	
RIV-002	8/22/2005	111.26	876.18	764.92	
23-R1 (fill well)	8/22/2005	NM	NM	NM	

NOTES:

(a) ft bgs - Depth to groundwater measured in feet below ground surface from north side of top of well casing

(b) ft msl - Top of Casing elevation measured from north side relative to mean sea level

NM - Not measured

5.2 ASSESSMENT OF LABORATORY RESULTS

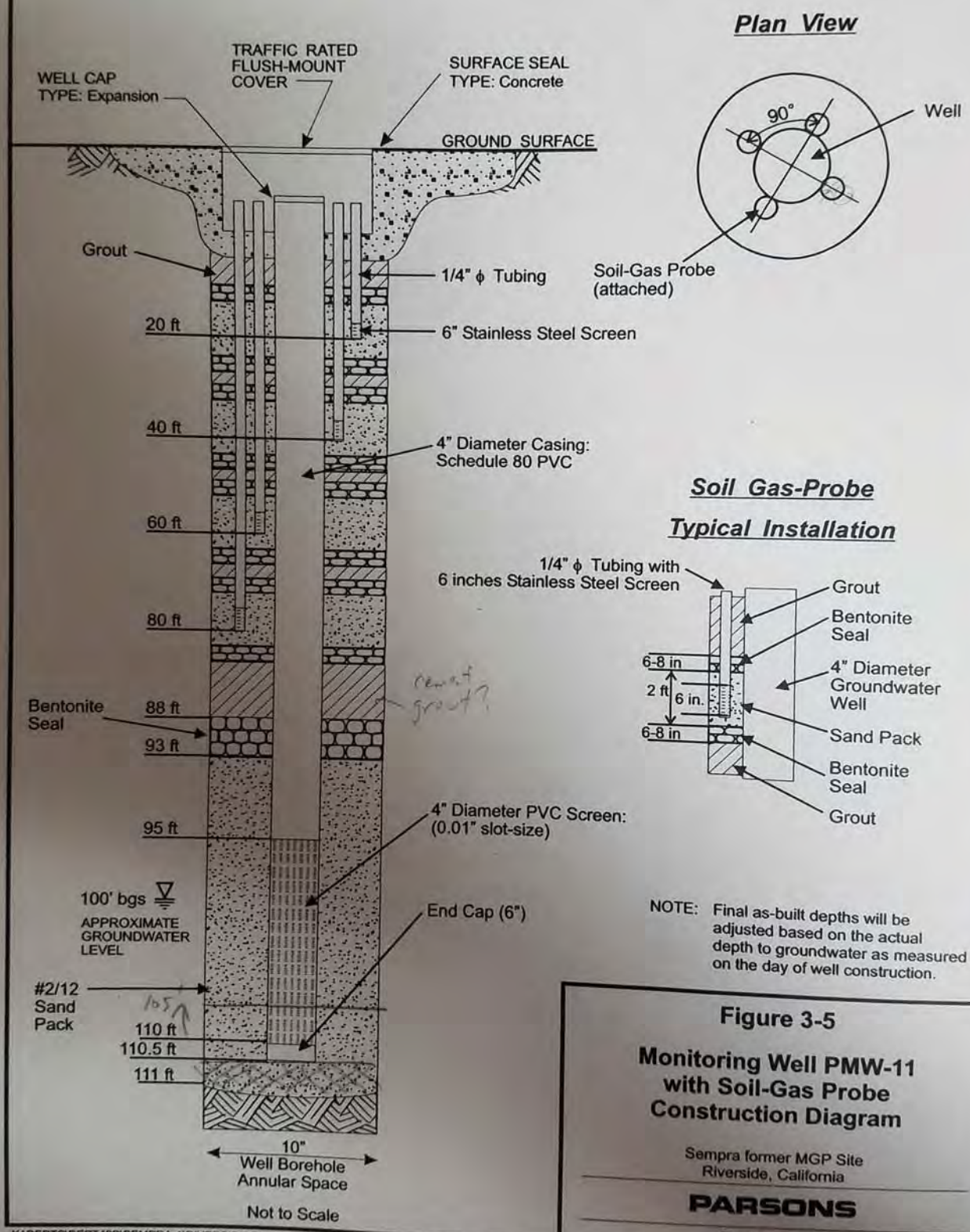
Concentrations of chemicals detected in the groundwater samples were compared to regulatory guidelines to assess which chemicals were of potential concern (COPC). Four listings were consulted:

1. California Code of Regulations (CCR) maximum concentration levels (MCLs) for domestic water quality. Except for chloroform and molybdenum, all other COPC were listed with MCLs.
2. State of California Office of Environmental Health Assessment (OEHHA) water action levels.
3. State of California Department of Health Services (DHS) action levels.
4. Federal Environmental Protection Agency Region IX Preliminary Remedial Goals (PRGs) for "Tap Water."

CCR MCLs were the first choice for screening for COPCs, because they are risk-based derived concentrations. Except for chloroform and molybdenum, all other COPC were listed with MCLs. However, neither compound was listed with OEHHA or DHS; therefore, EPA PRGs were used for chloroform and molybdenum.

- TPH in the gasoline range: no action required.
- TPH in the diesel/oil range: no action required.
- PAH: no action required.
- TCE: the CCR MCL is 5.0 ug/L. Five of the six detections exceed the MCL. However, the highest detections occurred in upgradient wells with onsite wells having lower concentrations than the upgradient wells (Figure 5-3). Thus, the source is offsite and upgradient from the site and no action is required.
- PCE: the CCR MCL is 5.0 ug/L. Two of the six detections exceed the MCL. However, the highest detections occurred in upgradient wells with onsite wells having lower concentrations than the upgradient wells (Figure 5-2). Thus, the source is offsite and upgradient from the site and no action is required.
- 1,1-DCE: the CCR MCL is 6.0 ug/L. One of the five detections exceeds the MCL. The 1,1-DCE detections occur in the same wells as TCE and PCE; thus, is probably related to the same offsite upgradient source and no action is required.
- cis-1,2-DCE: the CCR MCL is 6.0 ug/L. Detected concentrations do not exceed the MCL, thus no action is required.
- Chloroform: the EPA PRG is 6.2 ug/L. Detected concentrations do not exceed the PRG, thus no action is required.
- Benzene: the CCR MCL is 1.0 ug/L. Detected concentrations do not exceed the MCL, thus no action is required.
- Barium: the CCR MCL is 1,000 ug/L. Detected concentrations do not exceed the MCL, thus no action is required.
- Molybdenum: EPA PGR is 180 ug/L. Detected concentrations do not exceed the PRG, thus no action is required.
- Zinc: EPA PRG is 5,000 ug/L. Detected concentrations do not exceed the MCL, thus no action is required.

Proposed Groundwater Monitoring Well PMW-11 with Soil-Gas Probes



NOTE: Final as-built depths will be adjusted based on the actual depth to groundwater as measured on the day of well construction.

Figure 3-5

Monitoring Well PMW-11 with Soil-Gas Probe Construction Diagram

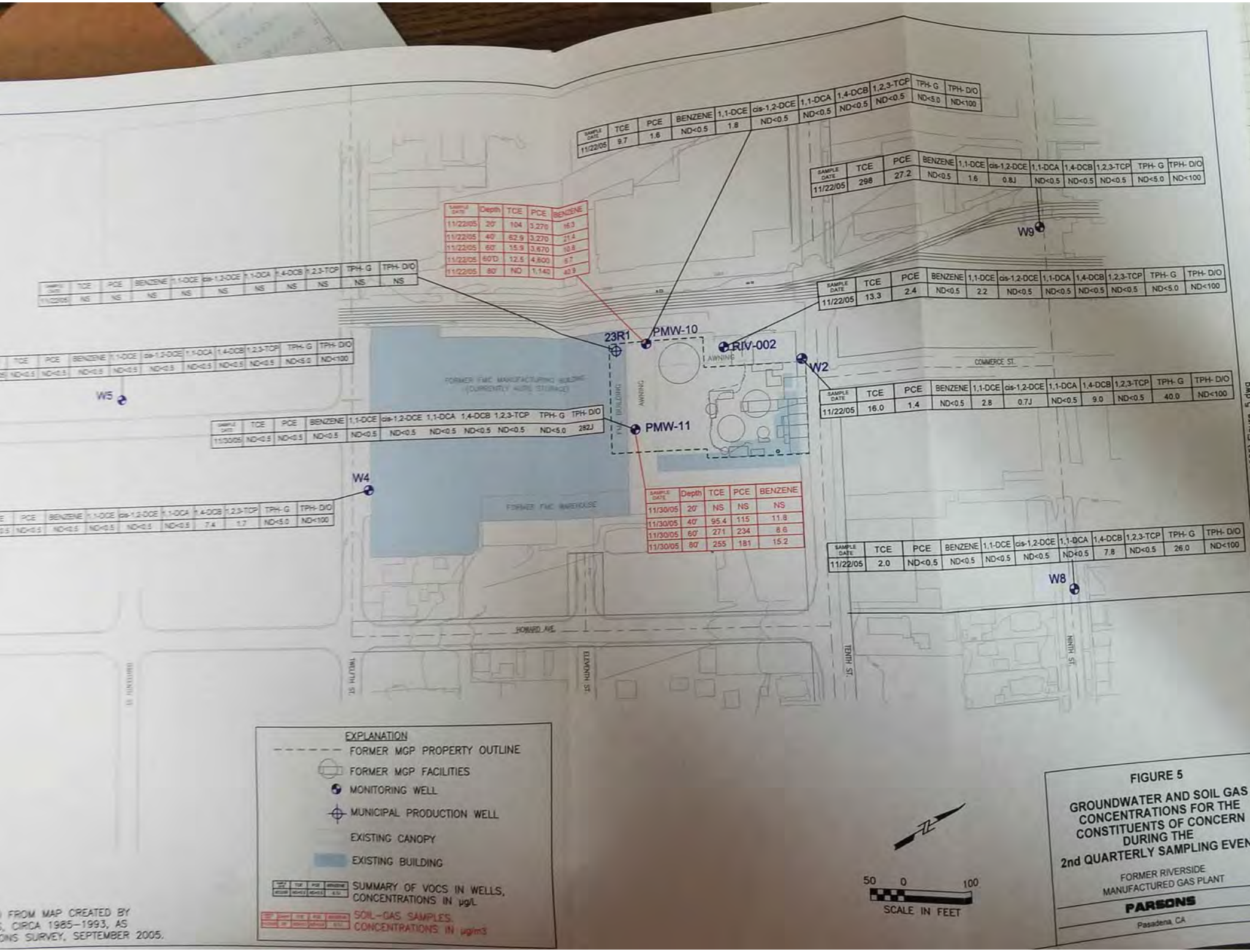
Sempra former MGP Site
Riverside, California

PARSONS

Pasadena, CA

K:\DEPTS\DEPT42B\SEMPRA-1\RIVERSIDE\GROUNDWATER MONITORING\WORKPLAN\Figure 3-5 well PMW-11 design.cdr

APPENDIX C



SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/30/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	282J

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	1.7	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCF	TPH- G	TPH- D/O
11/22/05	9.7	1.6	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/22/05	20'	104	3,270	16.3
11/22/05	40'	62.9	3,270	21.4
11/22/05	60'	15.9	3,670	10.8
11/22/05	60'D	12.5	4,600	6.7
11/22/05	80'	ND	1,140	40.9

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	298	27.2	ND<0.5	1.6	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	13.3	2.4	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	16.0	1.4	ND<0.5	2.8	0.7J	ND<0.5	9.0	ND<0.5	40.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/30/05	20'	NS	NS	NS
11/30/05	40'	95.4	115	11.8
11/30/05	60'	271	234	8.6
11/30/05	80'	255	181	15.2

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
11/22/05	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.8	ND<0.5	26.0	ND<100

4.0 ANALYTICAL RESULTS FOR SOIL GAS SAMPLES

A total of 21 VOCs were detected in the eight soil gas samples collected during this quarterly event. As previously stated, soil gas samples could not be collected from soil gas sample point PMW-11-20 because it was plugged. Analytical data for soil gas VOCs are provided in Table 9. The following is a summary of the soil gas results collected for this event including the constituents and the range of detected concentrations:

- Acetone – concentrations were only detected in the samples collected from PMW-10 at concentrations ranging from 11.5 to 78.7 micrograms per cubic meter (ug/m^3);
- Benzene – detected in all samples collected at concentrations ranging from 6.7 to 40.9 ug/m^3;
- 2-Butanone – detected in only one sample (PMW-10-80) at a concentration of 10.3 ug/m^3;
- Carbon Disulfide – detected in seven of the eight samples collected at concentrations ranging from 4.3 to 30.6 ug/m^3;
- Chloroethane – detected in only two of eight samples at concentrations of 4.1 and 3.0 ug/m^3 in samples PMW-10-60 and PMW-10-60D (duplicate of PMW-10-60), respectively;
- Chloroform – detected in four of the eight samples collected at concentrations ranging from 3.8 to 14.5 ug/m^3;
- Dichlorodifluoromethane – detected in four of eight samples at concentrations ranging from 4.4 to 6.1 ug/m^3;
- 1,1-Dichloroethane – detected in four of eight samples at concentrations ranging from 4.6 to 67.0 ug/m^3;
- 1,1-Dichloroethene – detected in five of eight samples at concentrations ranging from 36.0 to 173 ug/m^3, the highest concentrations of which were observed in PMW-11;
- Ethylbenzene – detected all eight samples at concentrations ranging from 9.3 to 33.8 ug/m^3;
- Styrene – detected in five of eight samples, all of which were observed in PMW-10, at concentrations ranging from 3.2 to 93.2 ug/m^3;
- Tetrachloroethene – detected in all eight samples at concentrations ranging from 115 to 4,600 ug/m^3. These concentrations are the highest of any of the constituents detected at the Site;
- Toluene – detected all eight samples at concentrations ranging from 12.4 to 269 ug/m^3;
- 1,1,1-Trichloroethane – detected in seven of the eight samples collected at concentrations ranging from 11.9 to 349 ug/m^3;
- Trichloroethene – detected in seven of the eight samples collected at concentrations ranging from 12.5 to 271 ug/m^3;

- Trichlorofluoromethane – detected in six of the eight samples collected at concentrations ranging from 6.6 to 25.0 ug/m^3;
- Trichlorotrifluoroethane – detected in all eight samples collected at concentrations ranging from 8.2 to 1,070 ug/m^3;
- 1,2,4-Trimethylbenzene – detected in all eight samples collected at concentrations ranging from 5.1 to 46.4 ug/m^3;
- 1,3,5-Trimethylbenzene – detected in six of the eight samples collected at concentrations ranging from 3.5 to 11.6 ug/m^3;
- o-Xylene – detected in all eight samples collected at concentrations ranging from 10.2 to 45.1 ug/m^3; and
- m,p-Xylene – detected in all eight samples collected at concentrations ranging from 13.6 to 120 ug/m^3.

Results from these samples showed the chlorinated VOCs typically had the highest concentrations of the constituents detected (Table 9). Figure 5 shows the historic COPCs, including PCE and TCE, which are chlorinated VOCs. The highest concentrations of any constituent were those of tetrachloroethene.

Of the 21 VOCs detected, eight were detected in all of the samples collected. This constituent list includes benzene, ethylbenzene, tetrachloroethene, toluene, trichlorotrifluoroethane, 1,2,4-trimethylbenzene, o-xylenes, and m,p-xylenes. Analytical laboratory reports for soil gas samples collected during this event are provided in Appendix D. The human health significance of the detected concentrations of VOCs in soil gas will be evaluated and discussed in the upcoming Remedial Action Workplan.

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/23/05	18.7	3.6	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/21/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/31/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	ND<0.5	ND<0.5	0.7J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	1.7	ND<5.0	ND<100
2/21/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	282J
2/22/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/22/05	20'	104	3,270	16.3
11/22/05	40'	62.9	3,270	21.4
11/22/05	60'	15.9	3,670	10.6
11/22/05	60'D	12.5	4,600	6.7
11/22/05	80'	ND	1,140	40.9
6/01/06	20'	67.7	4,990	16.6
6/01/06	40'	128	4,610	209
6/01/06	60'	22.7	3,870	17.1
6/01/06	60'D	22.3	4,120	15.5
6/01/06	80'	51.4	4,160	210

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	10.3	0.6J	ND<0.5	3.2	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	9.7	1.6	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	5.4	0.8J	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
6/01/06	5.7	0.8J	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	225	14.7	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	298	27.2	ND<0.5	1.6	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	156	10.4	ND<0.5	3.1	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	204	9.5	ND<0.5	0.7J	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	47.0	6.6	ND<0.5	7.8	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	13.3	2.4	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	4.2	0.5J	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	6.6	2.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	36.8	2.5	ND<0.5	3.7	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	16.0	1.4	ND<0.5	2.8	0.7J	ND<0.5	9.0	ND<0.5	40.0	ND<100
2/21/06	11.0	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	13.2	1.7	ND<0.5	3.1	1.3	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	1.8	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.8	ND<0.5	26.0	ND<100
2/21/06	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
6/31/06	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/30/05	20'	-	-	-
11/30/05	40'	95.4	115	11.8
11/30/05	60'	271	234	8.6
11/30/05	80'	255	181	15.2
6/01/06	20'	ND<3.0	9.0	504
6/01/06	40'	182	181	24.4
6/01/06	60'	440	505	10.0
6/01/06	80'	315	324	109

FIGURE 6

HISTORICAL CONCENTRATIONS OF THE CONSTITUENTS OF CONCERN FOR QUARTERLY SAMPLING EVENTS

FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

7.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

7.1 Summary

This report documents the collection of groundwater and soil gas samples for the Site during this fourth quarterly groundwater and second semi-annual soil gas monitoring event. The following is a summary of the on-site activities that occurred during this event:

1. Conduct a groundwater monitoring event.
   - Groundwater levels were collected from all monitoring wells in the monitoring well network at the Site.
   - Wells W2, W4, W5, W8, W9, PMW-10, PMW-11 and RIV-002 were purged using a low-flow purge and sample technique described in the DTSC-approved Workplan.
   - Well 23-R1 could not be sampled during this event because the pump was not operational.
2. Conduct a soil gas monitoring event.
   - Soil gas sample points at PMW-10 and PMW-11 were purged and sampled using the technique described in the DTSC-approved Workplan.

7.2 Conclusions

The conclusions generated based on the results of the fourth quarterly groundwater and second semi-annual soil gas monitoring event are:

- The May/June 2006 sampling event groundwater flow direction was to the west-southwest and at a gradient of 0.0015 ft/ft.
- Two chlorinated hydrocarbon compounds were detected that exceeded the site screening criteria: PCE and TCE. The highest concentrations of PCE and TCE were in off-site cross-gradient Well W9. On-site detections of these compounds were in wells along the northwestern side of the Site.
- All other analytes in groundwater were either non-detect or the detected concentration was less than site screening criteria.
- 19 VOCs were detected in soil gas samples collected from the Site. The highest constituent concentration, PCE, was observed in PMW-10-20 at 4,990 ug/m^3. Additionally, there were no leaks in the sampling system based on the non-detect results for isobutane.

Historically, groundwater flow direction and gradient are relatively constant. The flow direction is typically to the southwest at a gradient of approximately 0.0015 ft/ft. In addition, concentrations of the historical constituents of concern at the Site (TCE, PCE and DCE) as well as metals at the Site have remained relatively consistent. No PAH detections have been observed in groundwater at the Site during any of the four quarterly sampling events. However, other detected constituents (TPH, benzene, 1,1-DCA, 1,4-DCB and 1,2,3-TCP) have shown sporadic and/or isolated detections during the four quarterly sampling events.

7.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

7.1 Summary

This report documents the collection of groundwater and soil gas samples for the Site during this 5th groundwater and 3rd semi-annual soil gas monitoring event. The following is a summary of the on-site activities that occurred during this event:

1. Conduct a groundwater monitoring event.
   - Groundwater level data were collected from all monitoring wells in the monitoring well network at the Site.
   - Wells W2, W4, W5, W8, W9, PMW-10, PMW-11 and RIV-002 were purged using a low-flow purge and sample technique described in the DTSC-approved Workplan.
   - Fill Well 23R1 was purged using the existing pump at the Site. The well was purged for approximately 15 minutes (at a rate of 1,000 gallons per minute) prior to sampling.
2. Conduct a soil gas monitoring event.
   - Soil gas sample points at PMW-10 and PMW-11 were purged and sampled using the technique described in the DTSC-approved Workplan. However, PMW-11-20 could not be sampled because it was plugged.

7.2 Conclusions

The conclusions generated based on the results of the 5th groundwater and 3rd semi-annual soil gas monitoring event are:

- The November/December 2006 sampling event groundwater flow direction was to the west-southwest and at a gradient of 0.0014 ft/ft.
- Three chlorinated hydrocarbon compounds were detected that exceeded the site screening criteria: TCE, PCE and 1,2-DCA. The highest concentrations of PCE and TCE were in off-site cross-gradient Well W9. On-site detections of PCE and TCE were in wells along the northwestern side of the Site. 1,2-DCA was only observed in the sample collected from W5.
- All other analytes in groundwater were either non-detect or the detected concentration was less than site screening criteria.
- 18 VOCs were detected in soil gas samples collected from the Site. The highest constituent concentration, PCE at 16,400 ug/m^3, was observed in the duplicate sample collected from PMW-10-60. Additionally, there were no leaks in the sampling system based on the non-detect results for isobutane.

Historically, groundwater flow direction and gradient are relatively constant. The flow direction is typically to the southwest at a gradient of approximately 0.0015 ft/ft. Concentrations of the historical constituents of concern at the Site (TCE, PCE and DCE) have continued to exceed site screening criteria. Metals concentrations at the Site have remained relatively consistent.

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Fluoranthene is the only PAH constituent that has been detected in groundwater at the Site and it has only been detected during this sample event in off-site upgradient well W8. However, other detected constituents (TPH, benzene, 1,1-DCA, 1,4-DCB and 1,2,3-TCP) have shown sporadic and/or isolated detections during the five sampling events. Prior to this event, TPH detections were only observed during the first and second quarterly events, primarily in upgradient and cross gradient wells and benzene was only detected in two wells at J flagged concentrations.

Constituent concentrations in soil gas have been variable between the first three semi-annual soil gas sampling events. Concentrations of chlorinated hydrocarbons typically decreased from the first to the second semi-annual event and then increased between the second and third semi-annual events. One constituent (PCE) defied this trend and saw increases in all samples (except the duplicate sample from PMW-11-60) from the first through the third semi-annual sampling events. Benzene concentrations did not follow this trend, and have remained generally consistent between the three events.

7.3 Recommendations

Based on the conclusions generated through the analysis of data from the five groundwater sampling events and three soil gas sampling events at the Site, the following recommendations have been developed:

1. It is recommended that groundwater sampling at this Site be changed to semi-annual monitoring because the concentrations of the constituents of concern are relatively constant.
2. It is also recommended that soil gas sampling continue at the Site on a semi-annual basis to gather additional data, to assist in a trend analysis for the soil gas constituents of concern.

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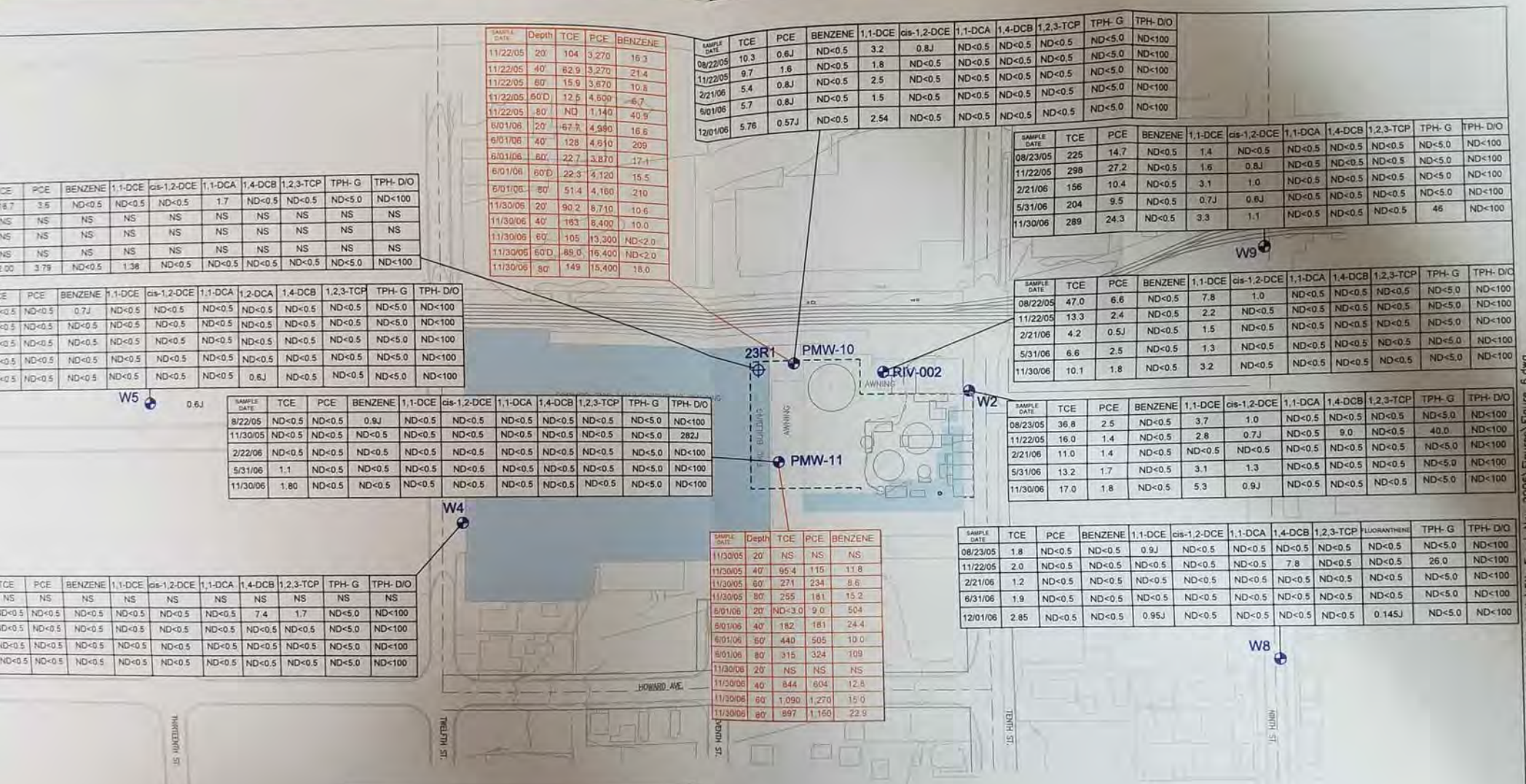


SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	225	14.7	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	298	27.2	ND<0.5	1.6	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	156	10.4	ND<0.5	3.1	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	204	9.5	ND<0.5	0.7J	0.6J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	289	24.3	ND<0.5	3.3	1.1	ND<0.5	ND<0.5	ND<0.5	46	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	47.0	6.6	ND<0.5	7.8	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	13.3	2.4	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	4.2	0.5J	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	6.6	2.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	10.1	1.8	ND<0.5	3.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	36.8	2.5	ND<0.5	3.7	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	16.0	1.4	ND<0.5	2.8	0.7J	ND<0.5	9.0	ND<0.5	40.0	ND<100
2/21/06	11.0	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	13.2	1.7	ND<0.5	3.1	1.3	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	17.0	1.8	ND<0.5	5.3	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	FLUORANTHENE	TPH- G	TPH- D/O
08/23/05	1.8	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.8	ND<0.5	ND<0.5	26.0	ND<100
2/21/06	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
6/31/06	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
12/01/06	2.85	ND<0.5	ND<0.5	0.95J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.145J	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	10.3	0.6J	ND<0.5	3.2	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	9.7	1.6	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	5.4	0.8J	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
6/01/06	5.7	0.8J	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
12/01/06	5.76	0.57J	ND<0.5	2.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/22/05	20'	104	3,270	16.3
11/22/05	40'	82.9	3,270	21.4
11/22/05	60'	15.9	3,670	10.8
11/22/05	60'D	12.5	4,600	6.7
11/22/05	80'	ND	1,140	40.9
6/01/06	20'	67.7	4,990	16.6
6/01/06	40'	128	4,610	209
6/01/06	60'	22.7	3,870	17.1
6/01/06	60'D	22.3	4,120	15.5
6/01/06	80'	51.4	4,160	210
11/30/06	20'	90.2	8,710	10.6
11/30/06	40'	163	8,400	10.0
11/30/06	60'	105	13,300	ND<2.0
11/30/06	60'D	89.0	16,400	ND<2.0
11/30/06	80'	149	15,400	18.0

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/30/05	20'	NS	NS	NS
11/30/05	40'	95.4	115	11.8
11/30/05	60'	271	234	8.6
11/30/05	80'	255	181	15.2
6/01/06	20'	ND<3.0	9.0	504
6/01/06	40'	182	181	24.4
6/01/06	60'	440	505	10.0
6/01/06	80'	315	324	109
11/30/06	20'	NS	NS	NS
11/30/06	40'	844	604	12.8
11/30/06	60'	1,090	1,270	15.0
11/30/06	80'	897	1,160	22.9

TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	282J
2/22/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	1.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	1.7	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,2-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
ND<0.5	ND<0.5	0.7J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.6J	ND<0.5	ND<0.5	ND<5.0	ND<100

TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
3.6	3.5	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<5.0	ND<100
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2.00	3.79	ND<0.5	1.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

0.6J

EXPLANATION

- FORMER MGP PROPERTY OUTLINE
- FORMER MGP FACILITIES
- MONITORING WELL
- MUNICIPAL PRODUCTION WELL
- EXISTING CANOPY
- EXISTING BUILDING
- SUMMARY OF COPCs IN WELLS, CONCENTRATIONS IN µg/L
- SOIL-GAS SAMPLES, CONCENTRATIONS IN µg/m3

AP DERIVED FROM MAP CREATED BY
JE SYSTEMS, CIRCA 1985–1993, AS
D BY PARSONS SURVEY, SEPTEMBER 2005.

50 0 100
SCALE IN FEET

FIGURE 6

HISTORICAL CONCENTRATIONS OF THE CONSTITUENTS OF CONCERN FOR SAMPLING EVENTS

FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

\\pasadena-1\riverside\groundwater monitoring\Monitorig Reports\5th Event Nov 2006\Figures\Figure 6.dwg

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/23/05	18.7	3.6	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/21/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/31/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/01/06	2.00	3.79	ND<0.5	1.38	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/08/07	14.5	3.33	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,2-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	ND<0.5	ND<0.5	0.7J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.6J	ND<0.5	ND<0.5	ND<5.0	ND<100
03/09/07	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

W5

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	282J
2/22/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	1.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/09/07	0.53J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

W4

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,2-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	1.7	ND<5.0	ND<100
2/21/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
12/01/06	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/08/07	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.59J	ND<0.5	7.29	ND<5.0	ND<100

SAMPLE DATE	DEPTH	20'	40'	60'	60'D	80'
11/22/05	TCE	104	82.9	15.9	12.5	ND
	PCE	3,270	3,270	3,670	4,600	1,140
	BENZENE	16.3	21.4	10.6	6.7	40.9
6/01/06	TCE	67.7	128	22.7	22.3	51.4
	PCE	4,990	4,610	3,870	4,120	4,160
	BENZENE	16.6	209	17.1	15.5	210
11/30/06	TCE	90.2	163	105	89.0	149
	PCE	8,710	8,400	13,300	16,400	15,400
	BENZENE	10.6	10.0	ND<2.0	ND<2.0	18.0
2/09/07	TCE	ND<3.0	ND<3.0	16.6	9.7	27.3
	PCE	ND<3.0	18.3	2,770	3,060	1,770
	BENZENE	ND<2.0	ND<2.0	ND<2.0	ND<2.0	4.9

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	10.3	0.6J	ND<0.5	3.2	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	9.7	1.6	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	5.4	0.8J	ND<0.5	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
6/01/06	5.7	0.8J	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
12/01/06	5.76	0.67J	ND<0.5	2.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/08/07	20.9	2.98	ND<0.5	ND<0.5	089J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

W9

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	225	14.7	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	298	27.2	ND<0.5	1.6	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	156	10.4	ND<0.5	3.1	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	204	9.5	ND<0.5	0.7J	0.6J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	289	24.3	ND<0.5	3.3	1.1	ND<0.5	ND<0.5	ND<0.5	46	ND<100
03/09/07	234	17.0	ND<0.5	1.15	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

W2

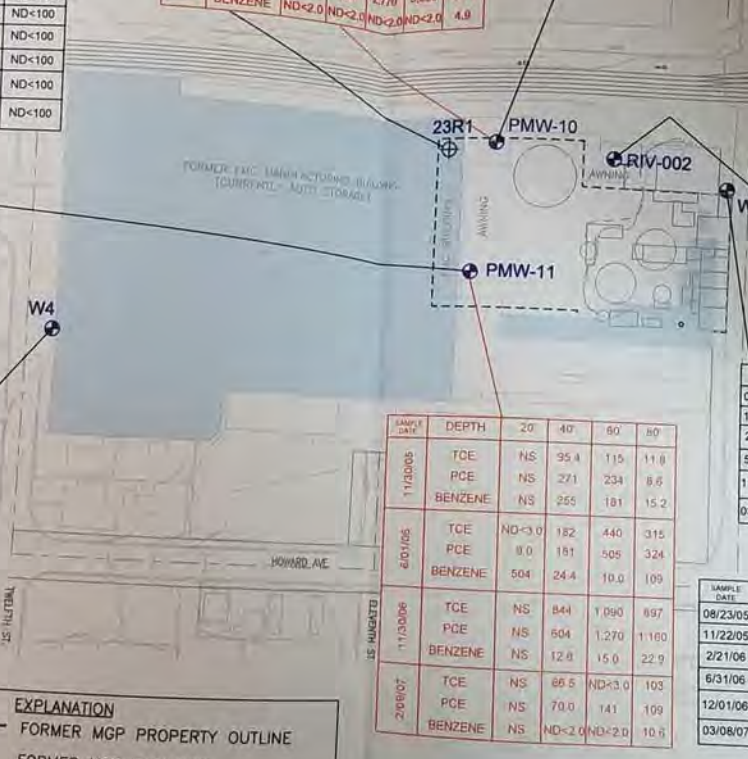
SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	47.0	6.6	ND<0.5	7.8	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	13.3	2.4	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
2/21/06	4.2	0.5J	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	6.6	2.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	10.1	1.8	ND<0.5	3.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/08/07	10.6	0.83J	ND<0.5	6.01	0.655J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	36.8	2.5	ND<0.5	3.7	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	16.0	1.4	ND<0.5	2.8	0.7J	ND<0.5	9.0	ND<0.5	40.0	ND<100
2/21/06	11.0	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
5/31/06	13.2	1.7	ND<0.5	3.1	1.3	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/06	17.0	1.8	ND<0.5	5.3	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/08/07	30.5	2.61	ND<0.5	6.01	1.19	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

W8

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	FLUORANTHENE	TPH- G	TPH- D/O
08/23/05	1.8	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	26.0	ND<100
2/21/06	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.8	ND<0.5	ND<0.5	ND<5.0	ND<100
6/31/06	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
12/01/06	2.85	ND<0.5	ND<0.5	0.95J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
03/08/07	4.38	0.55J	ND<0.5	1.19	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	DEPTH	20'	40'	60'	80'
11/30/05	TCE	NS	95.4	115	11.8
	PCE	NS	271	234	8.6
	BENZENE	NS	255	181	15.2
6/01/06	TCE	ND<3.0	182	440	315
	PCE	8.0	181	505	324
	BENZENE	504	24.4	10.0	109
11/30/06	TCE	NS	844	1,090	697
	PCE	NS	504	1,270	1,160
	BENZENE	NS	12.8	15.0	22.9
2/09/07	TCE	NS	66.5	ND<3.0	103
	PCE	NS	70.0	141	109
	BENZENE	NS	ND<2.0	ND<2.0	10.6



EXPLANATION

- FORMER MGP PROPERTY OUTLINE
- FORMER MGP FACILITIES
- MONITORING WELL
- MUNICIPAL PRODUCTION WELL
- EXISTING CANOPY
- EXISTING BUILDING
- SUMMARY OF COPCs IN WELLS, CONCENTRATIONS IN µg/L
- SOIL-GAS SAMPLES, CONCENTRATIONS IN µg/m3

BASE MAP DERIVED FROM MAP CREATED BY AIRBORNE SYSTEMS, CIRCA 1985-1993, AS MODIFIED BY PARSONS SURVEY, SEPTEMBER 2005.

N

50 0 100

SCALE IN FEET

FIGURE 6

HISTORICAL CONCENTRATIONS OF THE CONSTITUENTS OF CONCERN FOR SAMPLING EVENTS

FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

FIGURE 4
GROUNDWATER FLOW DIRECTION, ELEVATION CONTOURS AND GRADIENT MAP
7th SAMPLING EVENT

FORMER RIVERSIDE
MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

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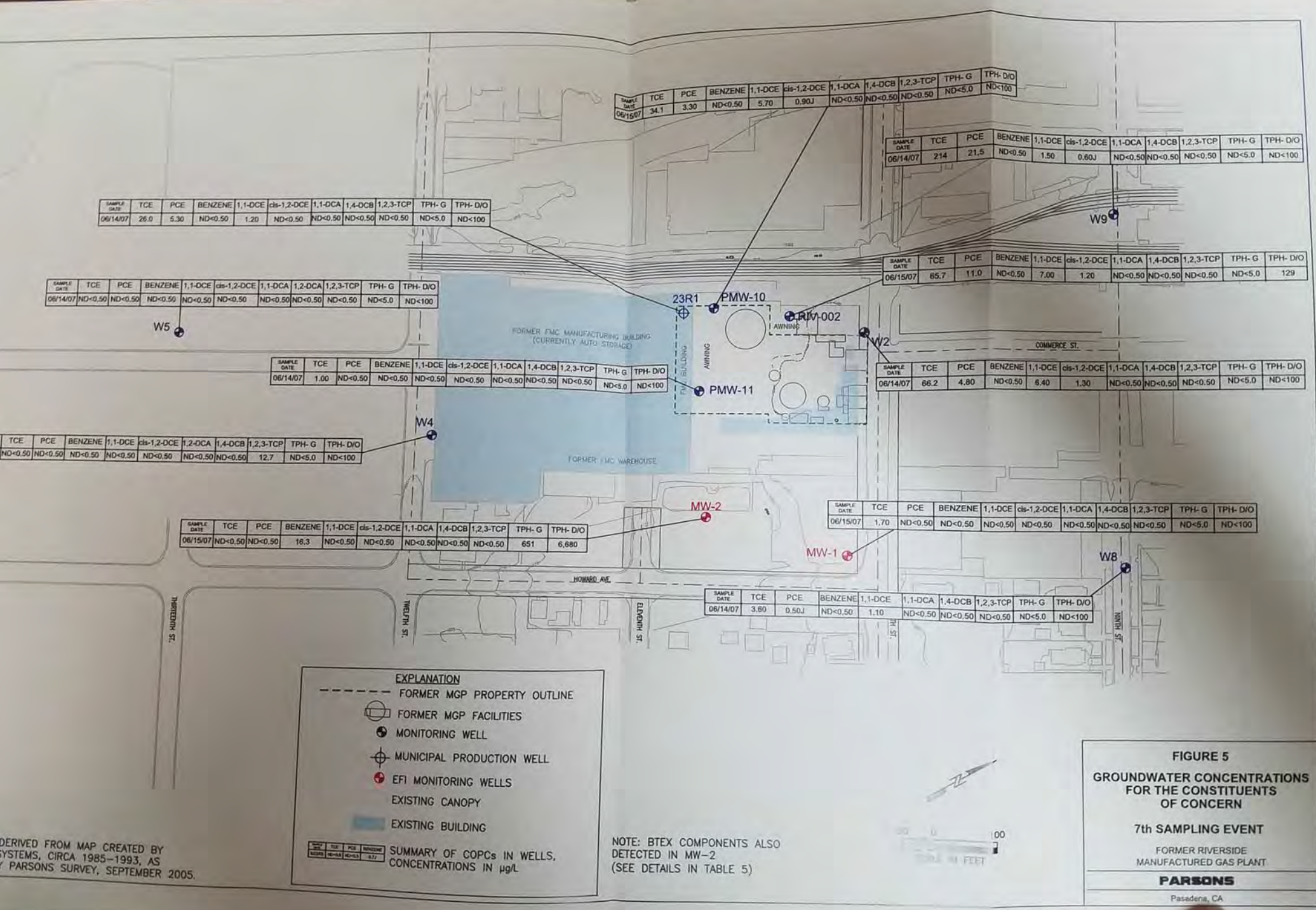


SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/15/07	34.1	3.30	ND<0.50	5.70	0.90J	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/14/07	214	21.5	ND<0.50	1.50	0.60J	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/14/07	26.0	5.30	ND<0.50	1.20	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/15/07	65.7	11.0	ND<0.50	7.00	1.20	ND<0.50	ND<0.50	ND<0.50	ND<5.0	129

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,2-DCA	1,2,3-TCP	TPH- G	TPH- D/O
06/14/07	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/14/07	66.2	4.80	ND<0.50	6.40	1.30	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/14/07	1.00	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,2-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12.7	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/15/07	ND<0.50	ND<0.50	16.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	651	6,680

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/15/07	1.70	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
06/14/07	3.60	0.50J	ND<0.50	1.10	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

.0 MONITORING EVENT ACTIVITIES AND PROCEDURES

'his section describes field activities completed during this 7th groundwater event. Procedures onformed to the Workplan (Parsons, 2004a) for the Site, prepared by Parsons and approved by)TSC. All fieldwork conformed to the requirements of the Parsons Health and Safety Plan Parsons, 2004b). A field sampling matrix for the groundwater sampling is provided in Table 1.

Currently, the monitoring wells in the well network for the Site include W2, W4, W5, W8, W9, PMW-10, PMW-11, and RIV-002. In addition, Fill Well 23R1 is typically sampled if the pump is in operation. Figure 3 shows the locations of all of the groundwater monitoring wells in the well network at the Site. In addition, and in response to DTSC's request, two additional monitoring wells (MW-1, and MW-2) were sampled during this monitoring event. These additional wells were recently installed upgradient of the Site by EFI Global as part of an Environmental Site Assessment for the potential future owners of the Site (BRE Properties, Inc.).

The following sections provide a description of the activities and procedures implemented as part of this sampling event.

2.1 Groundwater Level Monitoring

On June 14, 2007, groundwater level measurements were collected for all the wells in the groundwater monitoring well network at the Site with the exception of Well 23R1, for which a measurement port is not available. Water levels were measured to the nearest one hundredth of a foot using an electronic water-level indicator. Groundwater elevations were calculated by subtracting the depth to water measurements from the surveyed top of well casing elevation. The depth-to-water measurements, along with the top of casing elevations and calculated groundwater elevations are presented on Table 2. Except for MW-1 and MW-2, top of casing elevations were surveyed by Parsons in September 2005 for all the wells in the monitoring well network after the installation of Monitoring Wells PMW-10 and PMW-11. Depth to water at the Site ranged from approximately 106 to 112 feet below the top of well casing at the Site. It should be noted that groundwater level measurements from wells MW-1 and MW-2 were not used in the interpretation of groundwater flow direction and gradient because they have not been surveyed using the same coordinate system/plane as the remaining wells at the Site.

Results from the interpretation of the groundwater level data shows that the groundwater direction is to the west-southwest at a gradient of approximately 0.0022 feet per foot (ft/ft). This flow direction is consistent with previous sampling events; however, this gradient is lightly higher than the typical gradient (approximately 0.0014 ft/ft). In addition, the measured groundwater elevations are within the historical range of groundwater elevations measured at the Site, and seasonal fluctuations in groundwater of as much as 5 feet can be expected and are normal. Figure 4 shows the groundwater elevations, groundwater flow direction and gradient for this sampling event.

2.2 Groundwater Well Purging

On June 14, 2007, sampling activities proceeded with the purging of wells W2, W4, W5, W8, W9, PMW-11, and 23R1. Wells PMW-10, RIV-002, MW-1, and MW-2 were purged and sampled on June 15, 2007.

To collect samples in the wells, with the exception of Fill Well 23R1, a submersible bladder pump and low-flow procedures were used to purge the wells. The details of these procedures are

5.0 EVALUATION OF HISTORICAL DATA

5.1 Groundwater

Based on a review of the historical data generated during the first 10 groundwater monitoring events at the Site, the following trends were observed in the data:

- Groundwater flow directions have shifted slightly to the west between the 1st and the remaining sampling events. However, the gradient has remained relatively constant (approximately 0.0014 ft/ft) except for the Q9 event, in which the gradient increased to 0.0032 ft/ft. The gradient for this event was 0.0017 ft/ft, which is within the range of gradients observed at the site (approximately 0.0014 to 0.0032 ft/ft). One potential explanation for the change in flow gradient may be the ongoing extraction of groundwater from Fill Well 23R1.
- In general, TPH has only been detected sporadically, at low concentrations, and has shown no repeatable trends except in upgradient well MW-2. TPH concentrations have been observed in this well since it has been sampled (Q4 event). Prior to this event, trace concentrations of TPH were only observed in upgradient (W2 and W8); cross-gradient wells (W9); and in on-site wells PMW-11 and RIV-002. TPH results for the 10 groundwater sampling events are provided in Table 10.
- Only four VOCs (TCE, PCE, benzene and 1,2,3-TCP) were detected above screening criteria during this sampling event. However, only TCE and PCE have been consistently detected above site screening criteria. These two constituents are considered the primary constituents of concern in groundwater at the Site. Consistently, the highest concentrations of these chlorinated VOCs at the Site have been observed in cross-gradient well W9. 1,1-DCE was detected above the site screening criteria in the 1st quarterly event in well RIV-002 and during two subsequent events (Q6 and Q7) in W2. 1,2-DCA has only been detected above screening criteria in three wells (W4, W5, and MW-2). The detections of 1,2-DCA were only slightly above the screening criteria in W4 and W5 during the 5th and 6th monitoring events, respectively. In upgradient well MW-2, 1,2-DCA was observed in the 7th and 8th quarterly events. 1,4-DCB was only detected during the 2nd sampling event with concentrations above site screening criteria. The 1,4-DCB and 1,2,3-TCP detections have only been observed in upgradient and/or cross gradient wells (W2, W4 and W8); no detections of these constituents have been observed on-site. Benzene was detected in only one location during this event (upgradient Well MW-2 at a concentration of 3.98 ug/L). Benzene has only been detected above screening criteria in upgradient Well MW-2. VOC results for the 10 sampling events are provided in Table 11.
- PAH concentrations were non-detect for all constituents during the first four sampling events as well as this event (Q10). However, fluoranthene was detected during the 5th event at a concentration of 0.145J ug/L in Well W8. Also, during the 7th, 8th and 9th monitoring events, some PAHs were detected only at upgradient Well MW-2. Acenaphthene, fluorene, phenanthrene, and pyrene were detected at concentrations of 0.986 ug/L, 0.379 ug/L, 2.65 ug/L, and 0.68 ug/L, respectively in the 7th event. Phenanthrene was detected at a concentration of 0.597 ug/L during the 8th event. Please

note that all PAH detections were located in upgradient wells only. PAH results for the 10 sampling events are provided in Table 12.

- Title 22 Metals concentrations are relatively consistent throughout the 10 sampling events. Barium concentrations have been observed in all wells during the 10 events, with the exception of RIV-002 and PMW-11 during the 4th sampling event. Chromium was detected in Well W9 during the 2nd and 3rd events; in Well W-4 during the 7th sampling event at J flagged concentrations; and in Wells W2 and W9 at J flagged concentrations during the 9th event. Additionally, chromium was detected during this event at a concentration of 0.110J mg/l in W9. However, chromium was not observed during the 1st, 4th, 5th, 6th or 8th sampling events. Copper, molybdenum and zinc have sporadic detections throughout the 10 sampling events at the Site. Nickel was detected in one sample during the 6th sampling event at J flagged concentration, and in one sample during this 9th sampling event at J flagged concentration. Arsenic was detected in one sample (MW-2) during the 7th monitoring event at J flagged concentration. Title 22 Metals results for the 10 sampling events are provided in Table 13.

5.2 Soil Gas

Review of the data from the seven soil gas sampling events generally showed that the constituent concentrations in soil gas varied between the soil gas sampling events. Concentrations of chlorinated hydrocarbons typically decreased from the 1st to the 2nd semi-annual event and then increased between the 2nd and 3rd semi-annual events. During the 4th soil-gas monitoring event, concentrations dropped as did the number of detected compounds. However, during the 5th soil gas sampling event, all constituent concentrations increased relative to the 4th sampling event. The increase of VOC concentrations during the 5th sampling event appear to correlate with decrease in groundwater levels on-site. Concentrations of VOCs decreased during the 6th and 7th sample events compared to the previous soil gas monitoring events. Table 14 provides the historic soil gas sample results for the seven soil gas monitoring events at the Site.

7.0 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

7.1 Summary

This report documents the collection of groundwater samples for the Site during this 10th groundwater monitoring event and 7th soil gas sampling event. The following is a summary of the on-site activities that occurred during this event:

1. Conduct a groundwater monitoring event.
   - Groundwater level data were collected from all monitoring wells in the monitoring well network at the Site, including the two additional monitoring wells (MW-1 and MW-2), installed off-site by EFI Global. These two wells have been added to the monitoring well network at the request of DTSC.
   - All wells were purged using a low-flow purge and sample technique described in the DTSC-approved Workplan.
   - Fill Well 23R1 could not be sampled due to that lack of availability of City of Riverside personnel to turn the pump on.

2. Conduct a soil gas monitoring event.
   - Soil gas sample points at PMW-10 and PMW-11 were purged and sampled using the techniques described in the DTSC-approved Workplan.

7.2 Conclusions

The conclusions generated based on the results of the 10th quarterly groundwater and 7th soil gas monitoring events are:

- The August 2008 sampling event groundwater flow direction was to the west-southwest and at a gradient of 0.0017 ft/ft.
- TPH concentrations from groundwater samples collected in Well MW-2 exceeded site screening criteria. These are the only detections of TPH above the site screening criteria for this event.
- Four VOCs were detected in groundwater at levels that exceeded the site screening criteria: TCE, PCE, benzene and 1,2,3-TCP. The highest concentrations of PCE and TCE were in off-site cross-gradient Well W9. PCE and TCE remained the main VOC constituents of concern in groundwater. Benzene was only observed above screening criteria in the sample collected from upgradient Well MW-2. Detections of 1,2,3-TCP were observed in only the sample collected from W4.
- No PAHs were detected during this groundwater sampling event.
- Four of the Title 22 metals (barium, chromium, molybdenum and zinc) were detected in the groundwater samples collected during this event; however, none were above site screening criteria.

- A total of 21 VOCs were detected in soil gas samples collected from the Site. The highest constituent concentration, PCE at 4,080 ug/m^3, was observed in the duplicate sample collected from PMW-10-60.

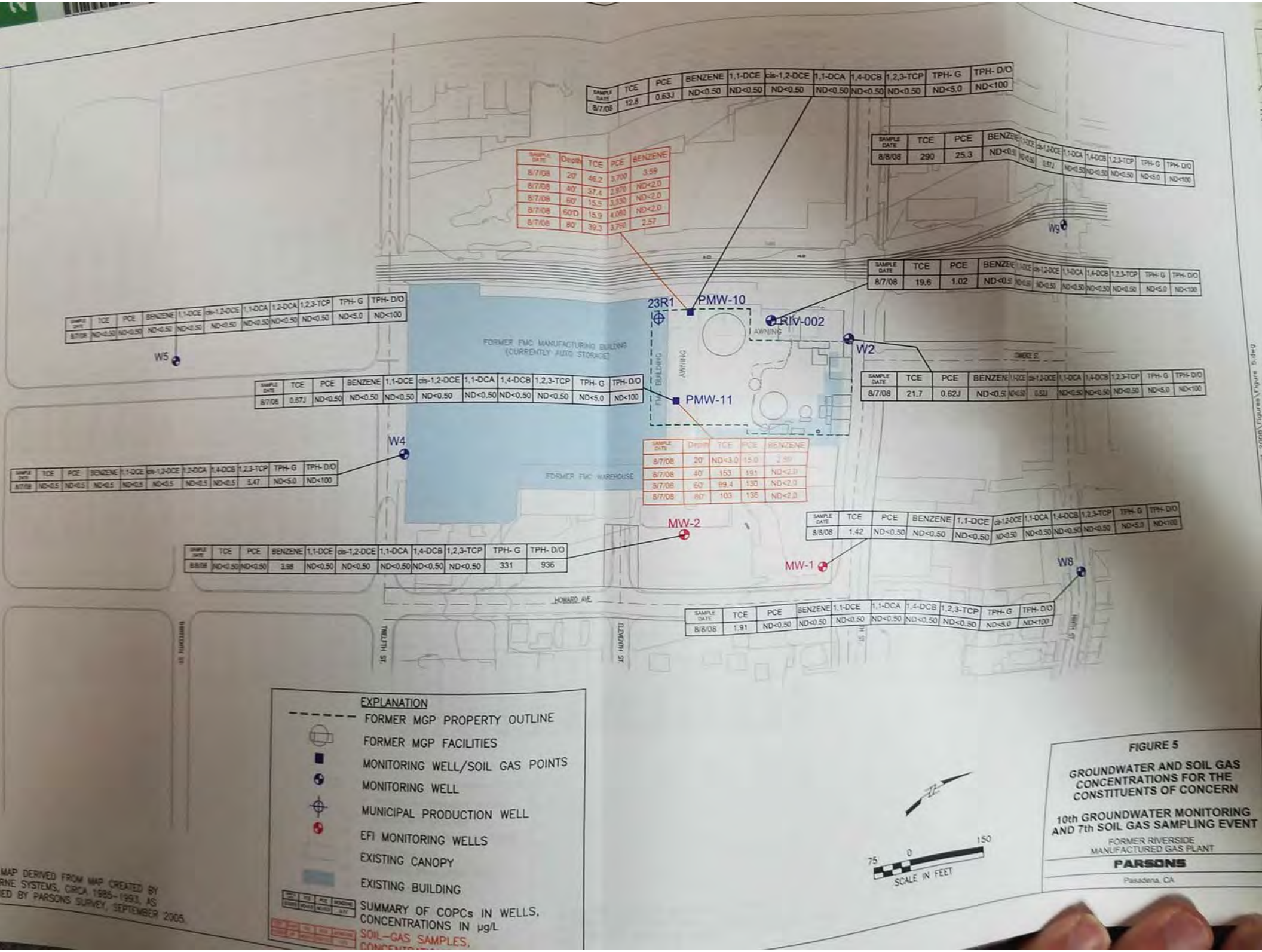
Historically, groundwater flow direction and gradient are relatively constant. The flow direction is typically to the west-southwest at a gradient ranging from 0.0014 to 0.0032 ft/ft. Concentrations of the historical constituents of concern at the Site (TCE, PCE) have continued to exceed site screening criteria. However, other detected constituents (TPH, benzene, 1,2-DCA, 1-1, DCE, 1,4-DCB and 1,2,3-TCP) have shown sporadic and/or isolated detections above screening criteria during the 10 groundwater sampling events. All TPH detections observed during the groundwater sampling program at the Site were observed in upgradient (MW-2 and W8) and/or cross gradient wells (W9), with the exception of a J flagged detection of TPH-D during the 2nd quarterly event in Well PMW-11 and a J flagged detection of heavy hydrocarbons during the 7th event in Well RIV-002. Fluoranthene is the only PAH constituent that was detected in groundwater at the Site prior to the 7th event. Thereafter, additional PAHs (acenaphthene, fluorene, naphthalene, phenanthrene and pyrene) have been sporadically detected; however, all PAH detections have been observed only in upgradient wells (MW-2 and W8). Metals concentrations at the Site have remained relatively consistent, with the exception of a single detection of arsenic at J-flagged concentration in an upgradient well (MW-2) during the 7th monitoring event.

Major soil gas constituents identified during the seven monitoring events were TCE and PCE. Constituent concentrations in soil gas have varied between the soil gas sampling events. Concentrations of chlorinated hydrocarbons generally increased from the 4th to 5th soil gas sampling events after showing a decrease in the previous event. VOCs concentrations have decreased during this monitoring event compared to the 5th event. The increase of VOCs concentrations during the 5th sampling event appears to correlate with decrease in groundwater level on-site. Decreasing groundwater elevations tend to expose some of the COCs (mostly chlorinated solvents) trapped in the saturated zone at residual saturation. A majority of these COCs, being hydrophobic, preferentially partition in air, which may explain the increase in VOCs concentrations during the 5th sampling event. An increase in groundwater level, along with a decrease in VOCs concentrations during the 6th monitoring event appears to confirm this hypothesis.

7.3 Recommendations

Based on the conclusions generated through the analysis of data from the 10 groundwater monitoring events and seven soil gas sampling events at the Site, the following recommendations have been developed:

1. It is recommended that groundwater sampling at this Site continue on a quarterly basis to gather additional data.
2. It is recommended that Title 22 Metals analyses be discontinued from the analytical requirements of this project because no heavy metals have been detected above screening criteria for the Site in the 10 quarterly groundwater monitoring events.
3. It is recommended that soil gas sampling continue at the Site on a semi-annual basis to gather additional data for trend analysis of the soil gas constituents of concern.



SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/7/08	12.8	0.63J	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
8/7/08	20'	46.2	3,700	3.59
8/7/08	40'	37.4	2,870	ND<2.0
8/7/08	60'	15.5	3,330	ND<2.0
8/7/08	60'D	15.9	4,080	ND<2.0
8/7/08	80'	39.3	3,750	2.57

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/8/08	290	25.3	ND<0.50	ND<0.50	0.67J	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/7/08	19.6	1.02	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/7/08	21.7	0.62J	ND<0.50	ND<0.50	0.52J	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,2-DCA	1,2,3-TCP	TPH- G	TPH- D/O
8/7/08	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/7/08	0.67J	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
8/7/08	20'	ND<3.0	15.0	2.59
8/7/08	40'	153	191	ND<2.0
8/7/08	60'	99.4	130	ND<2.0
8/7/08	80'	103	138	ND<2.0

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,2-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/7/08	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.47	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/8/08	ND<0.50	ND<0.50	3.98	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	331	936

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/8/08	1.42	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/8/08	1.91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<100

FIGURE 5

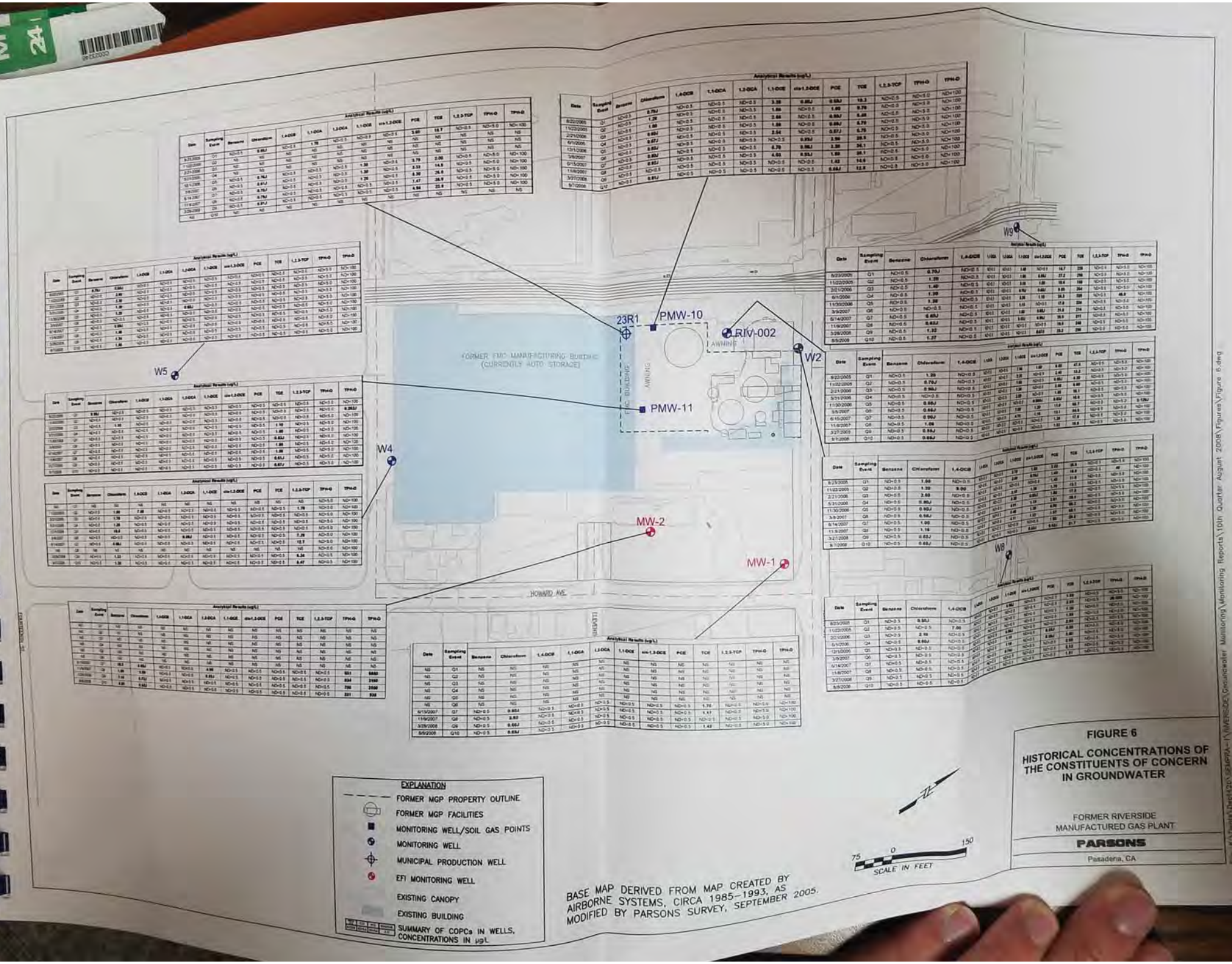
GROUNDWATER AND SOIL GAS CONCENTRATIONS FOR THE CONSTITUENTS OF CONCERN

10th GROUNDWATER MONITORING AND 7th SOIL GAS SAMPLING EVENT

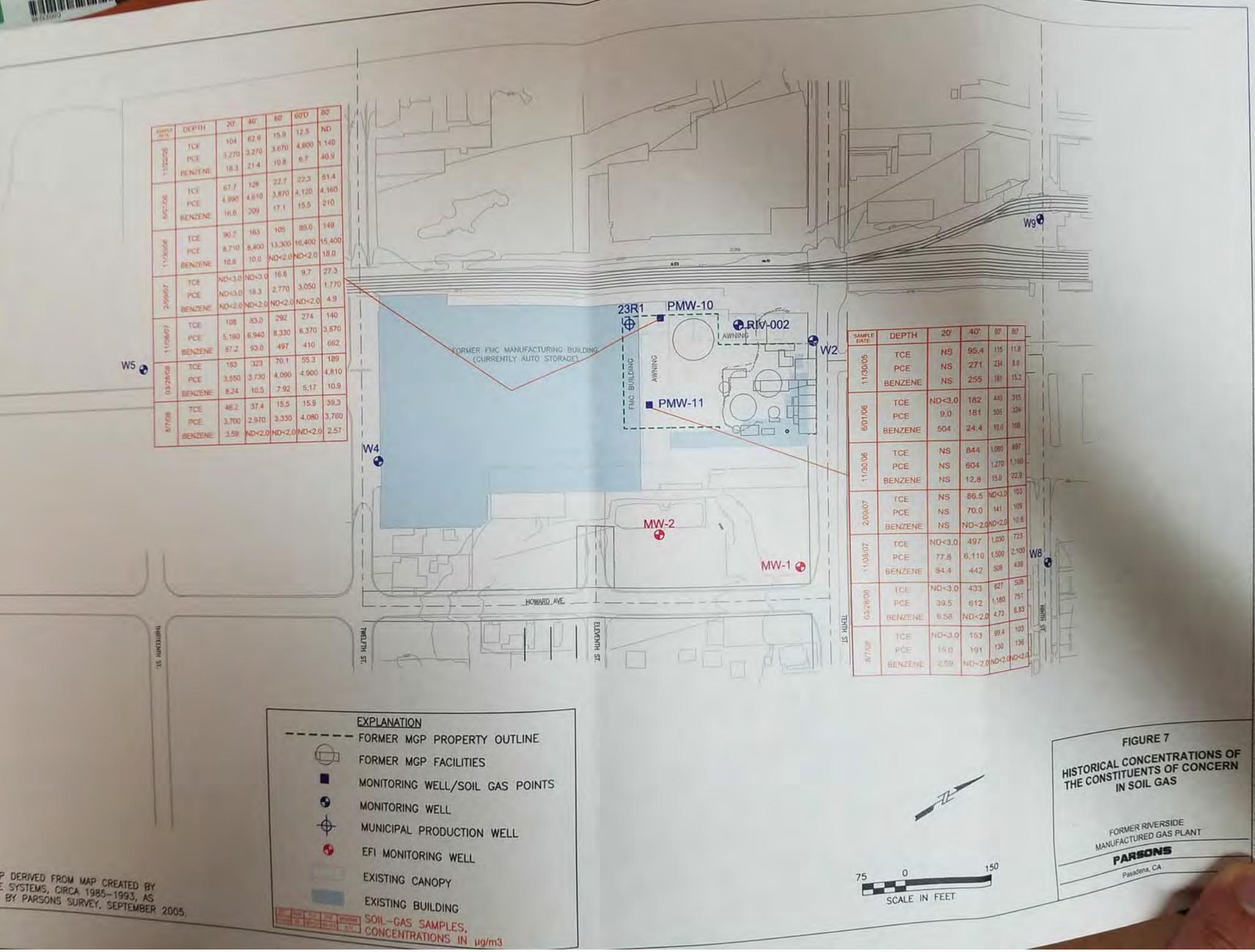
FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA



FORMER FMC MANUFACTURING BUILDING (CURRENTLY AUTO STORAGE)
23R1
PMW-10
RIV-002
W2
W5
W4
W9
W8
PMW-11
MW-2
MW-1
HOWARD AVE
EXPLANATION
FORMER MGP PROPERTY OUTLINE
FORMER MGP FACILITIES
MONITORING WELL/SOIL GAS POINTS
MONITORING WELL
MUNICIPAL PRODUCTION WELL
EFI MONITORING WELL
EXISTING CANOPY
EXISTING BUILDING
SUMMARY OF COPCs IN WELLS, CONCENTRATIONS IN µg/L
BASE MAP DERIVED FROM MAP CREATED BY AIRBORNE SYSTEMS, CIRCA 1985–1993, AS MODIFIED BY PARSONS SURVEY, SEPTEMBER 2005.
75 0 150
SCALE IN FEET
FIGURE 6
HISTORICAL CONCENTRATIONS OF THE CONSTITUENTS OF CONCERN IN GROUNDWATER
FORMER RIVERSIDE MANUFACTURED GAS PLANT
PARSONS
Pasadena, CA



SAMPLE DATE	DEPTH	20'	40'	60'	60'D	80'
11/22/05	TCE	104	62.9	15.9	12.5	ND
	PCE	3,270	3,270	3,670	4,600	1,140
	BENZENE	18.3	21.4	10.8	6.7	40.9
6/01/06	TCE	67.7	128	22.7	22.3	51.4
	PCE	4,990	4,810	3,870	4,120	4,160
	BENZENE	16.6	209	17.1	15.5	210
11/30/06	TCE	90.2	163	105	89.0	149
	PCE	8,710	8,400	13,300	16,400	15,400
	BENZENE	10.8	10.0	ND<2.0	ND<2.0	18.0
2/09/07	TCE	ND<3.0	ND<3.0	16.6	9.7	27.3
	PCE	ND<3.0	18.3	2,770	3,050	1,770
	BENZENE	ND<2.0	ND<2.0	ND<2.0	ND<2.0	4.9
11/08/07	TCE	108	83.0	292	274	140
	PCE	5,160	6,940	8,330	8,370	3,870
	BENZENE	57.2	93.0	497	410	662
03/26/08	TCE	163	323	70.1	55.3	189
	PCE	3,550	3,730	4,090	4,900	4,810
	BENZENE	8.24	10.5	7.92	5.17	10.9
8/7/08	TCE	46.2	37.4	15.5	15.9	39.3
	PCE	3,700	2,970	3,330	4,080	3,760
	BENZENE	3.58	ND<2.0	ND<2.0	ND<2.0	2.57

SAMPLE DATE	DEPTH	20'	40'	80'	80'
11/30/05	TCE	NS	95.4	115	11.8
	PCE	NS	271	234	8.0
	BENZENE	NS	255	181	15.2
6/01/06	TCE	ND<3.0	182	440	315
	PCE	9.0	181	505	324
	BENZENE	504	24.4	10.0	168
11/30/06	TCE	NS	844	1,090	897
	PCE	NS	604	1,270	1,160
	BENZENE	NS	12.8	15.0	22.9
2/09/07	TCE	NS	86.5	ND<3.0	103
	PCE	NS	70.0	141	109
	BENZENE	NS	ND<2.0	ND<2.0	10.8
11/08/07	TCE	ND<3.0	497	1,030	723
	PCE	77.8	6,110	1,500	2,100
	BENZENE	84.4	442	508	439
03/26/08	TCE	ND<3.0	433	827	508
	PCE	39.5	612	1,160	751
	BENZENE	6.58	ND<2.0	4.73	6.83
8/7/08	TCE	ND<3.0	163	99.4	103
	PCE	16.0	191	130	136
	BENZENE	2.59	ND<2.0	ND<2.0	ND<2.0

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ Yes ☒ No

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ Yes ☒ No

REPORT DATE: 10/25/2013

CASE #: 2013RO6600623

FOR LOCAL AGENCY USE ONLY

I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.

SIGNED: [signature] DATE: 10/28/13

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Andrea Briones

PHONE: (951) 955-8982

SIGNATURE: Andrea Briones

REPRESENTING: ☒ LOCAL AGENCY ☐ REGIONAL BOARD ☐ OWNER/OPERATOR ☐ OTHER

COMPANY OR AGENCY NAME: Riverside County Department of Environmental Health

ADDRESS: 3880 Lemon Street (STREET) Riverside (CITY) CA (STATE) 92501 (ZIP)

RESPONSIBLE PARTY

NAME: 1) SMX Property (APN-211-231-024)
2) Ching Liu, Solarmax Technology, Inc. ☐ Unknown

CONTACT PERSON: Ching Liu

PHONE: (626) 965-4286

ADDRESS: 1) 3080 12 th Street, Riverside , CA 92507 (APN-211-231-024)
2) 17011 Green Drive ,City of Industry , CA 91745
(STREET) (CITY) (STATE) (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Solarmax

OPERATOR: Solarmax

PHONE: (951) 300-0788

ADDRESS: 3080 12 th Street (APN- 211-231-024) (STREET) Riverside (CITY) Riverside (COUNTY) 92507 (ZIP)

CROSS STREET: Commerce St

IMPLEMENTING AGENCIES

LOCAL AGENCY — AGENCY NAME: Riverside County Department of Environmental Health — PHONE: (951) 955-8982

REGIONAL BOARD: Santa Ana RWQCB — PHONE: (951) 782-4130

SUBSTANCES INVOLVED

(1) NAME: Diesel — QUANTITY LOST (GALLONS): ☒ Unknown

(2) ☐ Unknown

DISCOVERY/ABATEMENT

DATE DISCOVERED: 10/25/2013

HOW DISCOVERED: ☐ Tank Test ☒ Tank Removal ☐ Nuisance Conditions ☐ Inventory Control ☐ Subsurface Monitoring ☐ Other

DATE DISCHARGE BEGAN: ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☒ YES ☒ NO IF YES, DATE 7/3/2012

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ Remove Contents ☒ Close Tank ☐ Repair Tank ☐ Change Procedure ☐ Replace Tank ☐ Other ☐ Repair Piping

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ Tank Leak ☐ Piping Leak ☒ Unknown ☐ Other

CAUSE(S): ☐ Overfill ☐ Corrosion ☐ Rupture/Failure ☒ Unknown ☐ Spill ☐ Other

CASE TYPE

CHECK ONE ONLY: ☒ Undetermined ☐ Soil Only ☐ Groundwater ☐ Drinking Water – (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ No Action Taken
☒ Leak Being Confirmed
☐ Remediation Plan
☐ Preliminary Site Assessment Workplan Submitted
☐ Preliminary Site Assessment Underway
☐ Case Closed (Cleanup Completed or Unnecessary)
☐ Pollution Characterization
☐ Post Cleanup Monitoring in Progress
☐ Cleanup Underway

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S)
☐ Cap Site (CD)
☐ Contamination Barrier (CB)
☐ Vacuum Extract (VE)
☐ Excavate & Dispose (ED)
☐ Excavate & Treat (ET)
☐ No Action Required (NA)
☐ Remove Free Product (FP)
☐ Pump & Treat Groundwater (GT)
☐ Treatment At Hookup (HU)
☐ Enhanced Bio Degradation (IT)
☐ Replace Supply (RS)
☐ Vent Soil (VS)
☒ Other

COMMENTS

Site entered into LOP

CRWQCB - REGION 8
2/19

FEB 1 2 2014

February 7, 2014
(trg 7795)

Andrea Briones
RIVERSIDE COUNTY
DEPARTMENT OF
ENVIRONMENTAL HEALTH
3880 Lemon Street, Suite 200
Riverside, California 92501

THE REYNOLDS GROUP
a California corporation

SITE: **SOLARMAX**
3080 12TH STREET
RIVERSIDE, CALIFORNIA

CASE NO.: **2013RO6600623**

GEOTRACKER: **T10000005231**

SUBJECT: **ADDITIONAL SOILS ASSESSMENT REPORT AND REQUEST FOR CLOSURE**

This Case Should Receive a No Further Action Letter

Dear Ms. Briones,

This report summarizes soil assessment activities performed by The Reynolds Group (TRG) in January 2014 at the Solarmax facility located at 3080 12th Street, Riverside, California (the Site, see **Figure 1** – Site Location Map). Solarmax was directed to perform further assessment of soils in an RCDEH directive letter dated November 4, 2013. The work was performed according to TRG's *Workplan for Soil Assessment Borings*, dated December 19, 2013, and was approved by the Riverside County Department of Environmental Health (RCDEH) in a letter dated December 30, 2014 (see **Attachment A**).

EXECUTIVE SUMMARY

On January 9, 2014, TRG advanced two soil borings at the Site. One boring (SB1) was advanced to 40 feet below ground surface (ft bgs) at the location of previously removed

Tel 714-730-5397 PO Box 1996, Tustin, California 92781-1996 www.reynolds-group.com Fax 714-730-6476

underground storage tank (UST) "Tank #1" (T1), and one slant boring was advanced to 50 ft bgs (SB2) at the location of previously abandoned-in-place UST "Tank #4" (T4). The two borings were plotted in areas where total petroleum hydrocarbons as diesel (TPHd) were detected in soil samples during the July 2012 UST removal and abandonment work summarized in TRG's *UST Closure Report*, dated July 20, 2012 (see **Figure 2** – Site Plan with Boring Locations). Soil samples near Tanks #2 and #3 (T2 and T3) collected during the July 2012 fieldwork were clean and, therefore, no further assessment was required by the RCDEH at those locations.

Soil sample analytical results from the January 2014 soil borings showed limited diesel impact in boring SB2 only between 5 and 25 ft bgs at concentrations ranging from 140 to 1,190 milligrams per kilogram (mg/kg). No diesel was present in deeper samples from SB2 between 30 to 50 ft bgs, confirming a 20-foot clean zone. No gasoline, gasoline constituents, or motor oil was detected in any samples from SB2. All samples from boring SB1 were non-detect for all analytes tested, including TPHd (see **Table 1** – Summary of Soil Sample Results).

With respect to the RCDEH assessment requirements near former T1 and abandoned-in-place T4, TRG respectfully requests closure/no further action.

BACKGROUND

In June 2012, one 1,000 gallon gasoline UST (T1) was removed from the Site and three 1,000 gallon USTs were abandoned-in-place (T2, T3 and T4, ref: *Underground Storage Tank Closure Report*, dated July 20, 2012, by TRG). Laboratory analytical results from soil samples collected beneath the USTs showed only diesel impact in two locations from samples T1-N-2 and T4-N-4 at 1,855 mg/kg and 605 mg/kg, respectively. All other samples collected at T1 and T4 were non-detect for all analytes tested. Similarly, soil samples collected at abandoned-in-place USTs T2 and T3 were non-detect for all analytes tested, including TPHd. Based on these results, the RCDEH required further assessment near T1 and T4 only, not at T2 and T3.

FIELDWORK

Prior to beginning fieldwork, TRG marked the boring locations and contacted Dig Alert for underground utility clearance and notified the RIVCOEH of the project schedule. As required by the RIVCOEH in the Workplan approval letter (see Attachment A), verification of sampling must be witnessed by EH staff. TRG coordinated with RIVCOEH to schedule the field work.

Soil Borings and Sampling

On January 9, 2014, two soil borings (SB1 near T1 and SB2 near T2) were advanced using a CME-55 drill rig with an 8-inch hollow stem auger at locations shown on the attached **Figure 2**. Boring SB2 was advanced using a slant boring at a 75 degree angle (See **Figure 3**). Samples were collected every 5 feet to the terminus of each boring (40 ft bgs in SB1 and 50 ft bgs in SB2). SB2 was advanced to 50 ft bgs to establish a clean zone below the field readings indicating diesel. RCDEH specialist, Andrea Briones, was on Site to witness the sampling and agreed, based on field indications, to the total depth of 50 ft bgs for SB2.

A photo-ionization detector (PID) was used as a field-screening tool to determine the relative presence of petroleum hydrocarbons in the soils. Field screenings and soil lithology were recorded and are shown in **Attachment B** - Boring Logs. Dominate soil type in each boring location consisted of fine to medium grained sand. Occasional interbeds of finer poorly sorted sand to silt was observed within the predominant sand lithology. Groundwater was not encountered to the maximum depth of this investigation (50 ft bgs). According to information obtained from the Geotracker web site, depth to groundwater in the vicinity exists at depths greater than 100 feet (ref: T0606500083, Mobil located 650+/- feet southwest of subject Site).

Soil samples were collected in stainless steel sampling sleeves using a California-modified split spoon sampler. Once collected, the lowermost sampling sleeve was end-wrapped with Teflon, sealed with PVC end caps, and labeled with unique sample identification. The RCDEH

representative then sealed each sample with evidence tape and signed the sampling tubes. A Sample Receipt Form was submitted with the Chain of Custody to verify samples were sealed with RCDEH evidence tape.

After collection, all samples were placed in Ziplock bags and retained on ice for chilled transportation under chain-of-custody to Chemical & Environmental Laboratories of Cerritos, California, a State certified laboratory (No. 2268).

LABORATORY ANALYSES AND RESULTS

All soil samples were analyzed by EPA Method 8015 for hydrocarbon chain C_4 to C_{40} , (gasoline, diesel, and oil). The 5 and 10 ft bgs samples only from each boring were also analyzed by EPA Method 8260B full scan for volatile organic compounds (VOCs).

Chain C_{13} to C_{22} (diesel range) hydrocarbons only were detected in slant boring SB2 (near T4) at 5, 15, 20, and 25 ft bgs at concentrations ranging from 140 mg/kg to 1,190 mg/kg (see **Table 1**). Deeper samples from 30 to 50 ft bgs in SB2 were non-detect for diesel. No diesel was detected in any of the soil samples from boring SB1 near former T1. No gasoline, motor oil, or VOCs were detected in any of the samples analyzed from borings SB1 and SB2.

The official laboratory analytical report and chain-of-custody are included as **Attachment C**. Soil sample results are summarized later in this report, on **Table 1** – Summary of Soil Sample Results.

Waste Disposal

All field wastes generated during the January 2014 fieldwork were properly stored on-Site in 55-gallon drums and were disposed at a certified transfer, storage and disposal facility (see **Attachment D** – Waste Manifest).

CONCLUSIONS AND RECOMMENDATIONS

Based on the soil sample analytical results, we recommend closure of this Site with respect to the removed/abandoned USTs for the following reasons:

- The primary source of diesel (the USTs) has been removed.
- All samples from boring SB1 near former Tank #1 (T1) were non-detect for all analytes tested.
- The low diesel concentrations detected at Tank #4 (T4) appear limited and confined, and a minimum 20-foot clean zone was firmly established beneath the last detected diesel and groundwater at T4.
- The diesel impact has been defined and no VOC's or other gasoline constituents were detected in any of the soil samples below T4.
- Further remediation to remove the diesel impacted soils would not be technically or economically feasible due to Site constraints (major utilities and buildings).
- The shallow diesel concentrations are not a threat to groundwater, which is estimated to be over 100 ft bgs.

REGISTERED PROFESSIONAL STATEMENT

All work on this project was performed under the responsible charge of a California Registered Civil Engineer. The licensed professionals whose wet ink signatures and seals appear at the end of this report supervised all work associated with the project.

Sarah Pearcy in our office will be handling the technical aspects of this project. She can be reached directly at 714-317-5696 or via e-mail at pearcy@reynolds-group.com .

TABLE 1
SUMMARY OF SOIL SAMPLE RESULTS

SOLARMAX, INC.
3080 12TH STREET
RIVERSIDE, CA

Sample ID	Date Sampled	C4-C12 (mg/kg)	C12-C22 (mg/kg)	C23-C40 (mg/kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl-benzene (ug/Kg)	Xylenes (ug/Kg)
SB1-5	1/9/2014	<0.1	<1	<50	<1	<1	<1	<1
SB1-10		<0.1	<1	<50	<1	<1	<1	<1
SB1-15		<0.1	<1	<50	NA	NA	NA	NA
SB1-20		<0.1	<1	<50	NA	NA	NA	NA
SB1-25		<0.1	<1	<50	NA	NA	NA	NA
SB1-30		<0.1	<1	<50	NA	NA	NA	NA
SB1-35		<0.1	<1	<50	NA	NA	NA	NA
SB1-40		<0.1	<1	<50	NA	NA	NA	NA
SB2-5	1/9/2014	<0.1	140	<50	<1	<1	<1	<1
SB2-10		<0.1	<1	<50	<1	<1	<1	<1
SB2-15		<0.1	970	<50	NA	NA	NA	NA
SB2-20		<0.1	1,190	<50	NA	NA	NA	NA
SB2-25		<0.1	230	<50	NA	NA	NA	NA
SB2-30		<0.1	<1	<50	NA	NA	NA	NA
SB2-35		<0.1	<1	<50	NA	NA	NA	NA
SB2-40		<0.1	<1	<50	NA	NA	NA	NA
SB2-45		<0.1	<1	<50	NA	NA	NA	NA
SB2-50		<0.1	<1	<50	NA	NA	NA	NA

Notes:
C4-C12 - gasoline
C12-C22 - diesel
C23-C40 - motor oil
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
NA - not analyzed
SB1 at Former UST Tank #1 (T1)
SB2 at Abandoned-in-Place UST Tank #4 (T4)

TABLE 2
HISTORICAL SUMMARY OF SOIL SAMPLE RESULTS

SOLARMAX, INC.
3080 12TH STREET
RIVERSIDE, CA

Sample ID	Date Sampled	C4-C12 (mg/kg)	C12-C22 (mg/kg)	C23-C40 (mg/kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl-benzene (ug/Kg)	Xylenes (ug/Kg)	MTBE (ug/Kg)	TBA (ug/Kg)	Lead (mg/kg)
T1-S-2	7/3/2012	<0.1	<1	<50	<1	<1	<1	<1	<2	<20	4
T1-S-6		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	4
T1-N-2		<0.1	**1,855**	<50	<1	<1	<1	<1	<2	<20	9
T2-W-4		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	1
T2-E-4		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	1
T2-E-6		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	4
T3-E-4		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	2
T3-E-6		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	2
T3-W-4		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	3
T4-S-4		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	1
T4-S-6		<0.1	<1	<50	<1	<1	<1	<1	<2	<20	1
T4-N-4		<0.1	**605**	<50	<1	<1	<1	<1	<2	<20	2
SB1-5	1/9/2014	<0.1	<1	<50	<1	<1	<1	<1	NA	NA	NA
SB1-10		<0.1	<1	<50	<1	<1	<1	<1	NA	NA	NA
SB1-15		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB1-20		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB1-25		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB1-30		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB1-35		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB1-40		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB2-5	1/9/2014	<0.1	**140**	<50	<1	<1	<1	<1	NA	NA	NA
SB2-10		<0.1	<1	<50	<1	<1	<1	<1	NA	NA	NA
SB2-15		<0.1	**970**	<50	NA	NA	NA	NA	NA	NA	NA
SB2-20		<0.1	**1,190**	<50	NA	NA	NA	NA	NA	NA	NA
SB2-25		<0.1	**230**	<50	NA	NA	NA	NA	NA	NA	NA
SB2-30		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB2-35		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB2-40		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB2-45		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA
SB2-50		<0.1	<1	<50	NA	NA	NA	NA	NA	NA	NA

Notes:
C4-C12 - gasoline
C12-C22 - diesel
C23-C40 - motor oil
mg/kg - milligrams per kilogram
ug/kg - micrograms per kilogram
MTBE - methyl tertiary butyl ether
TBA - tertiary butyl alcohol
SB1 at Former UST Tank #1 (T1)
SB2 at Abandoned-in-Place UST Tank #4 (T4)

Project Details

Name: Solarmax Technology, Inc.

Address: 3080 12th St., Riverside, CA

Number: 7795

Company Information

Address: 520 West 1st Street, Tustin, CA

Telephone: (714) 730-5397

Fax: (714) 730-6476

THE REYNOLDS GROUP ENVIRONMENTAL SERVICES

Figure Details

SITE PLAN WITH SOIL BORING LOCATIONS

Figure #: Figure 2

Revise Date: January 2013

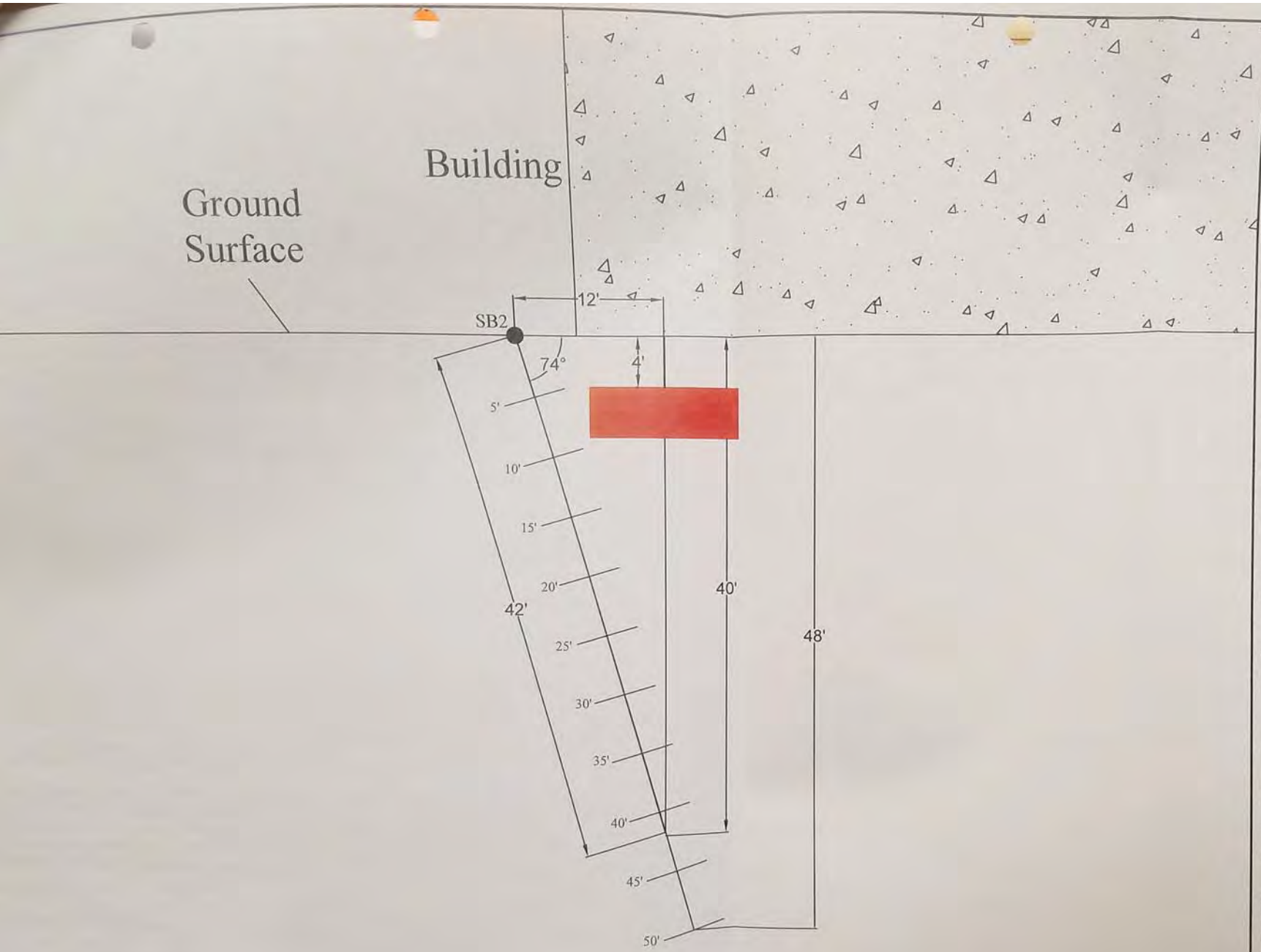
0' 40' Approximate Scale

Scale: 1" = 40'

General Notes

- Subject Property Line
- Soil Boring Locations
- T1 - UST Removed
- T2, 3, 4 - UST Abandoned in Place

Solarmax Technology
aka SMX Property
3080 12th Street



General Notes

- Location of UST Abandoned in Place (1,000 Gal. Steel Tank)

5' - Soil Samples measured in ft. bgs

SB2 - Soil Boring Location

Project Details

Name
Solarmax Technology, Inc.

Address
3080 12th St.
Riverside, CA

Number
7795

Figure Details

SITE PLAN WITH SB2 SAMPLE LOCATIONS

Figure # Figure 3

Revise Date January 2014

0' 8' Approximate Scale

Scale 1"=8'

Company Information

Address
520 West 1st Street
Tustin, CA 92780

Telephone
(714) 730-5397

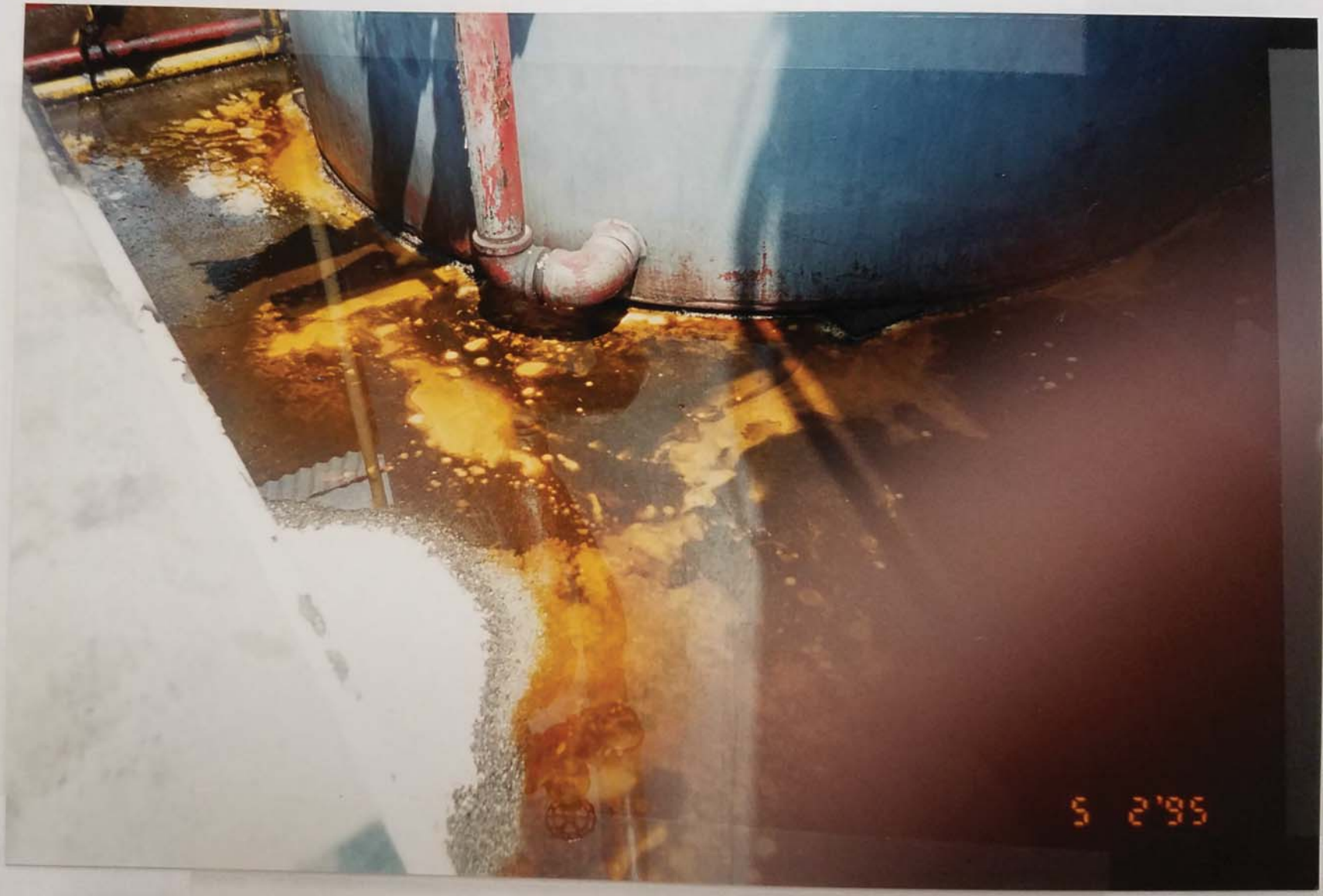
Fax
(714) 730-6476

THE REYNOLDS GROUP
ENVIRONMENTAL SERVICES

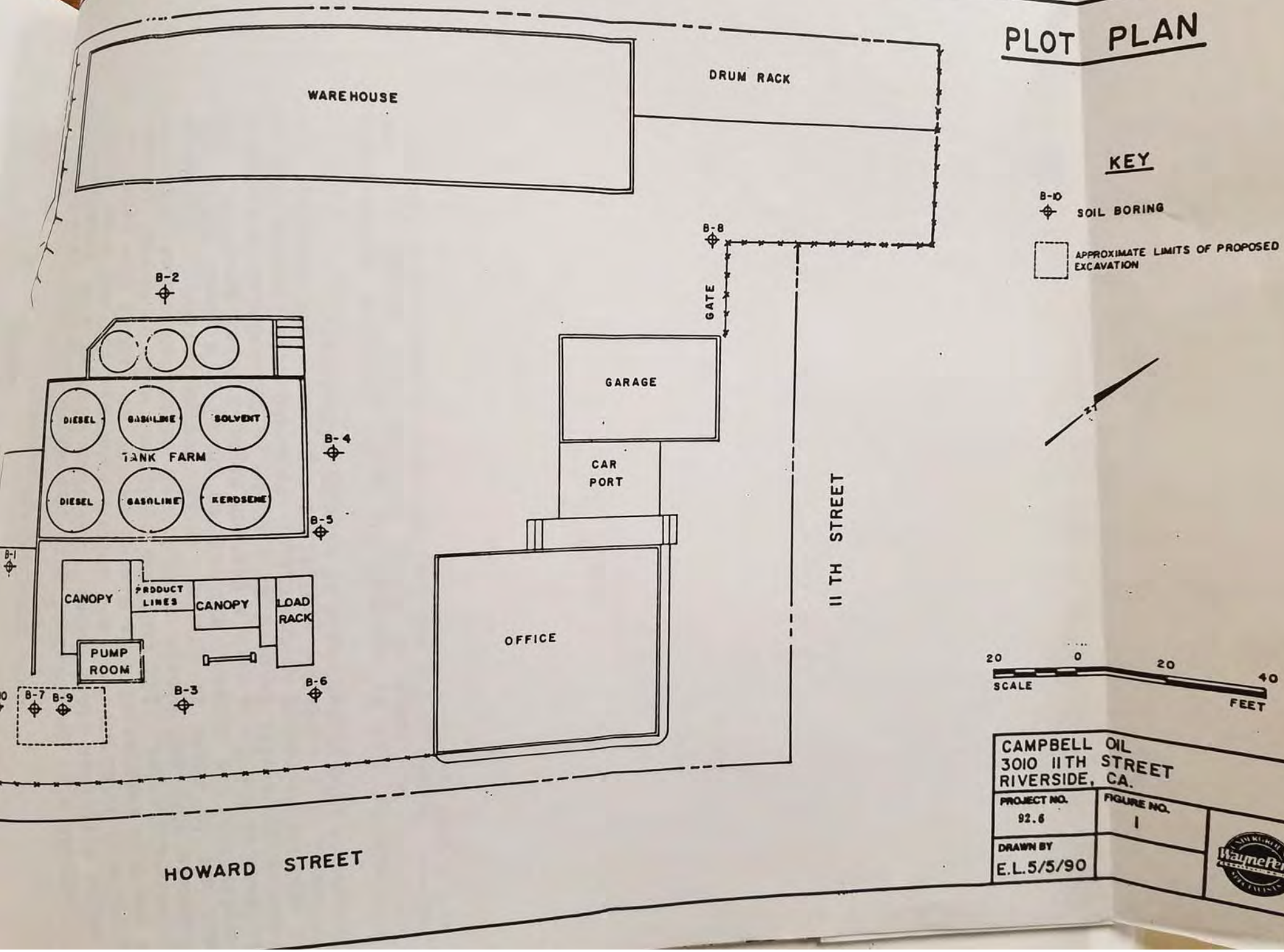
by SAR

Poma
Dist.

by San
Riv



PLOT PLAN



CAMPBELL OIL
3010 11TH STREET
RIVERSIDE, CA.

PROJECT NO.	FIGURE NO.
92.6	1
DRAWN BY E.L. 5/5/90	

SPECIALISTS
C.S.C. LIC. NO. 300345 E.P.A. CAD 053841102
8281 COMMONWEALTH AVE. ■ BUENA PARK, CALIFORNIA 90621
HONE (714) 826-0352 ■ FAX ADM. & CONST. (714) 523-7880 ■ FAX GEO. & ENG. (714) 523-7541

APR 1

I. 91.1170

ect No. 92.6

ober 21, 1992

na Automated Fueling
O. Box 5550
verside, California 94517-5550

ttention: Mr. Mil Herman

Subject: Contaminated Soil Excavation and Disposal
Campbell Oil Facility
3010 Eleventh Street
Riverside, California 94517

SUMMARY

Approximately 60 cubic yards of gasoline-contaminated soil was excavated to a maximum 17 foot depth from an area near the pump room. Contaminated soil extends laterally and vertically to an unknown extent beyond the limits of this excavation.

EXCAVATION

Gasoline-contaminated soil was excavated on June 8, 1992 as proposed in the work plan dated February 28, 1992 and contract dated May 20, 1992. Approximately 60 cubic yards were excavated from the 20 foot by 12 foot area southeast of the pump room shown in Figure 1, Appendix A. Five soil samples were taken at the locations and depths indicated in Figure 1, Appendix A. All soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) using EPA Method 418.1. Two soil samples were analyzed for TPH-gasoline using the DHS mod-8015 method and one soil sample was analyzed for BTEX using the DHS mod-8020 method. Laboratory results are presented in Table 1 below; a copy of the lab report is attached in Appendix A.

tomated Fueling
No. 92.6
NO

TABLE 1

Soil Samples -- Laboratory Results

le Depth	EPA 418.1 (mg/kg)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)
-1 3'	>20,000	--	--	--	--	--
-2 4'	> 4,000	2,400	--	--	--	--
-3 4'	3,900	--	--	--	--	--
X-4 12'	> 4,000	--	--	--	--	--
X-5 17'	>14,700	1,001.9	ND	28.9	40.1	126.4

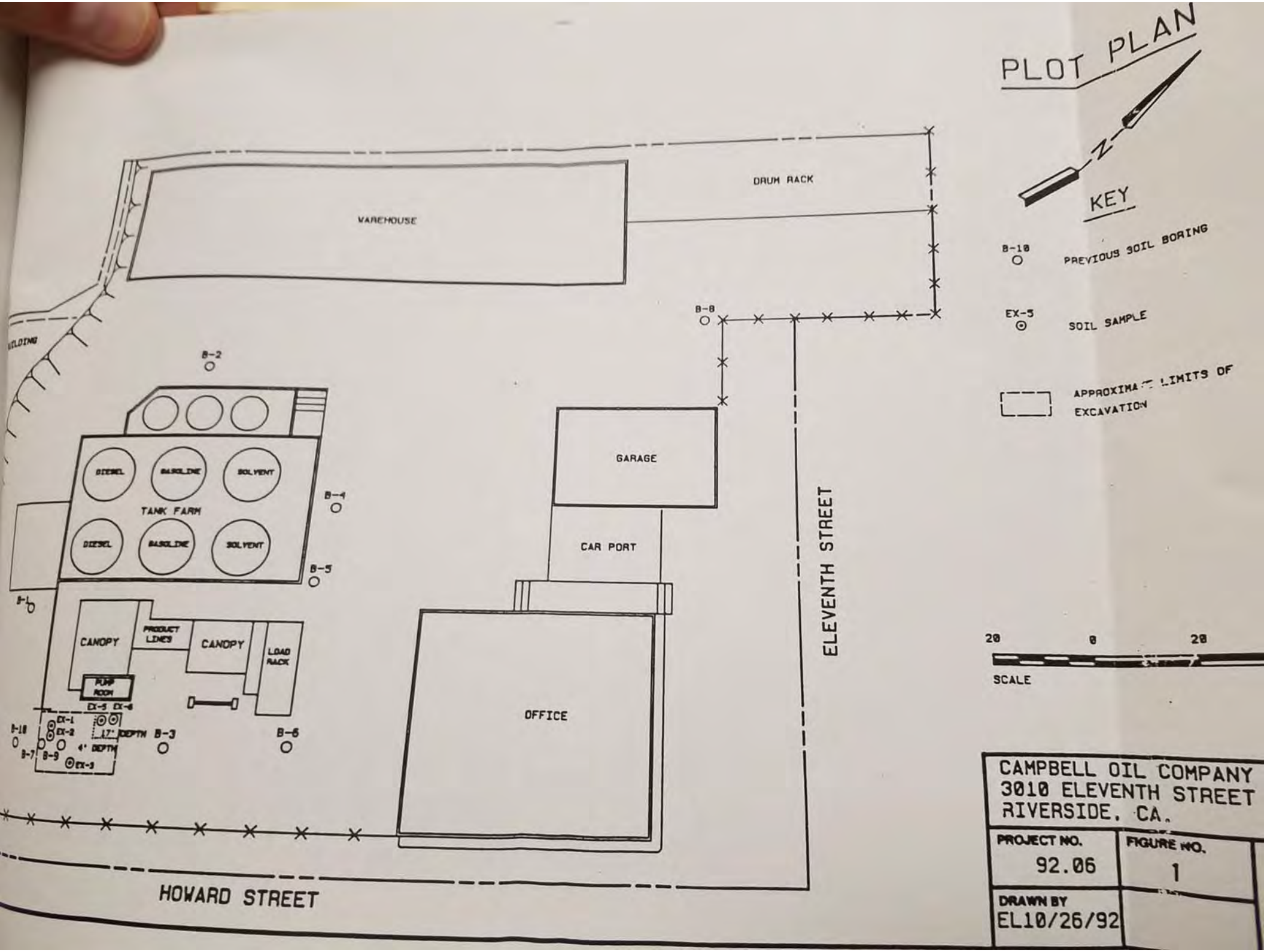
ND = Not detected, below detection limit.

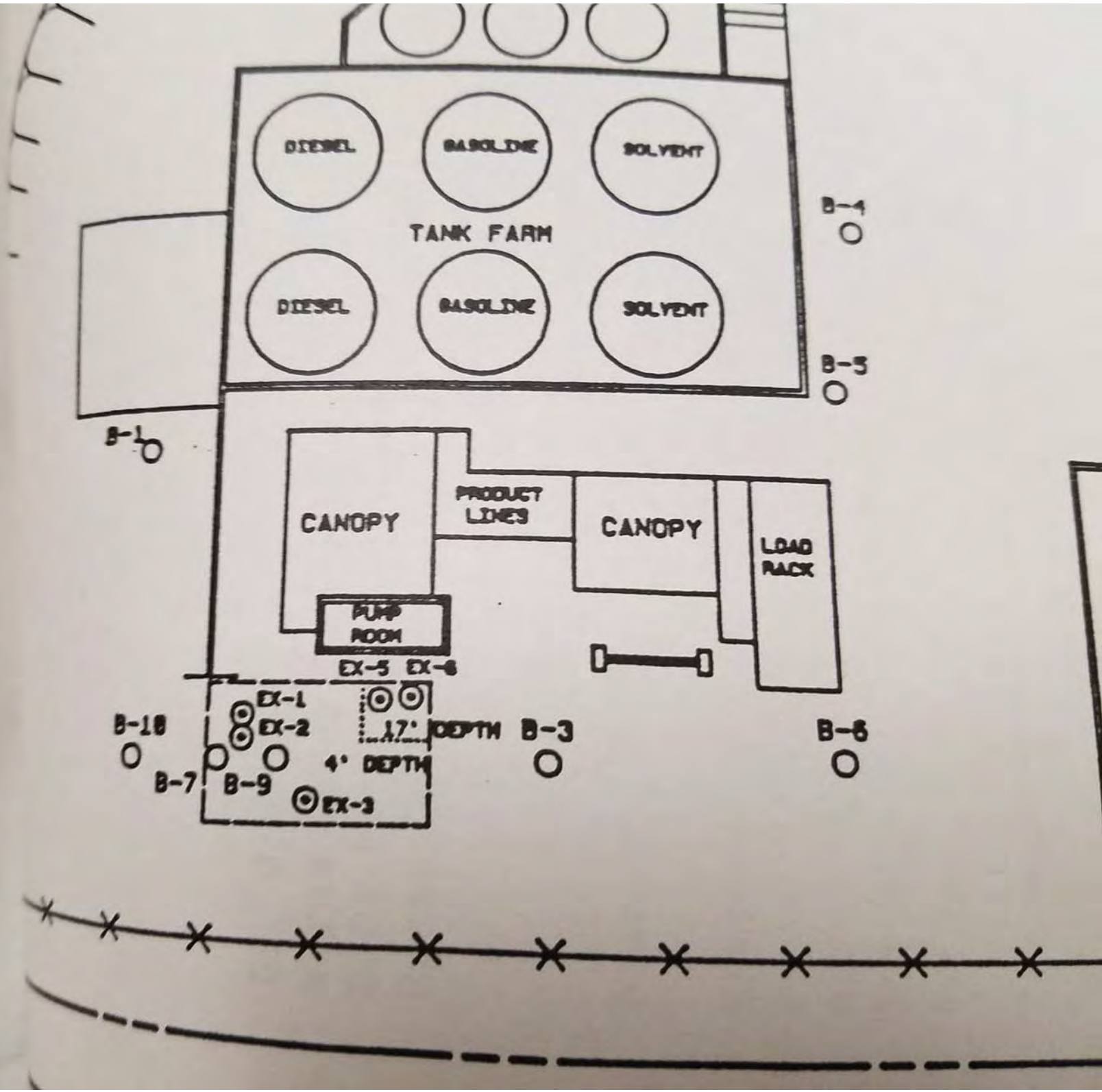
Contaminated soil extends laterally and vertically to an unknown extent beyond the limits of this excavation. Excavation was stopped at a 17 foot depth due to potential undermining of the pump room foundation.

AIR MONITORING

As required by SCAQMD Rule 1166, air monitoring was conducted during excavation. Air monitoring records are included in Appendix B.

SOIL DISPOSAL


PLOT PLAN
N
KEY
B-10 PREVIOUS SOIL BORING
EX-3 SOIL SAMPLE
APPROXIMATE LIMITS OF EXCAVATION
20 0 20
SCALE
WAREHOUSE
DRUM RACK
B-8
B-2
GARAGE
CAR PORT
ELEVENTH STREET
DIESEL
GASOLINE
SOLVENT
TANK FARM
DIESEL
GASOLINE
SOLVENT
B-4
B-5
B-1
CANOPY
PRODUCT LINES
CANOPY
LOAD RACK
PUMP ROOM
EX-5 EX-6
EX-1
EX-2
17' DEPTH
4' DEPTH
B-10
B-7
B-9
EX-4
B-3
B-6
OFFICE
HOWARD STREET
CAMPBELL OIL COMPANY
3010 ELEVENTH STREET
RIVERSIDE, CA.
PROJECT NO.
92.06
FIGURE NO.
1
DRAWN BY
EL10/26/92


DIESEL
GASOLINE
SOLVENT
TANK FARM
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GASOLINE
SOLVENT
B-4
B-5
B-1
CANOPY
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CANOPY
LOAD RACK
PUMP ROOM
EX-5 EX-6
EX-1
EX-2
17' DEPTH
B-3
B-6
B-10
4' DEPTH
B-7
B-9
EX-3

RIVERSIDE, CA 92507-2409
PHONE (909) 782-4130
FAX (909) 781-6288

June 2, 1995

Michael Poma
Poma Distributing Co.
c/o Ed Casey, Esq.
McClintock, Weston, Benshoof, Rochefort, Rubalcava & MacCuish
444 S. Flower Street, 43rd Floor
Los Angeles, CA 90071

ABOVEGROUND TANK AT POMA DISTRIBUTING CO. - COST REIMBURSEMENT ACCOUNT

Dear Mr. Poma:

We are in receipt of your site characterization reports for Poma Distributing Co. located at 3010 11th Street, Riverside. These reports were submitted by your consultant, Alaska Petroleum Environmental Engineering (APEE) in order to initiate the site cleanup. During telephone conversations of May 23 and 31, 1995, between Mr. Gary Stillman of APEE and Ray Akhtarshad of this office, the need for the site's coverage under the Cost Recovery Program was discussed. Therefore, in accordance with the Aboveground Tank Petroleum Storage Act (Act), you need to submit an agreement, signed by Poma Distribution Co.'s President, Michael Poma, acknowledging Poma Distribution Co.'s obligation for cost reimbursement of Regional Board staff oversight.

The Act allows Regional Boards to recover reasonable expenses for overseeing cleanup and abatement of leaks and spills from aboveground tanks. Accordingly, it is our intent to recover such costs for this oversight work.

We estimate that 100 hours will be required to conduct such oversight which includes inspections, review of reports, etc. The actual time will depend on the nature and extent of any contaminated soils which are encountered and the progress you make in cleaning up the contamination in a timely manner. The state billing rate for such oversight is approximately $60.00 per hour.

A detailed description of the billing procedure, a sample of an acknowledgment agreement, and information on the Aboveground Petroleum Storage Act with 1991 Amendments are enclosed. Please submit the required documents by June 12, 1995, in order to begin your coverage under the Cost Recovery Program and the cleanup procedures.

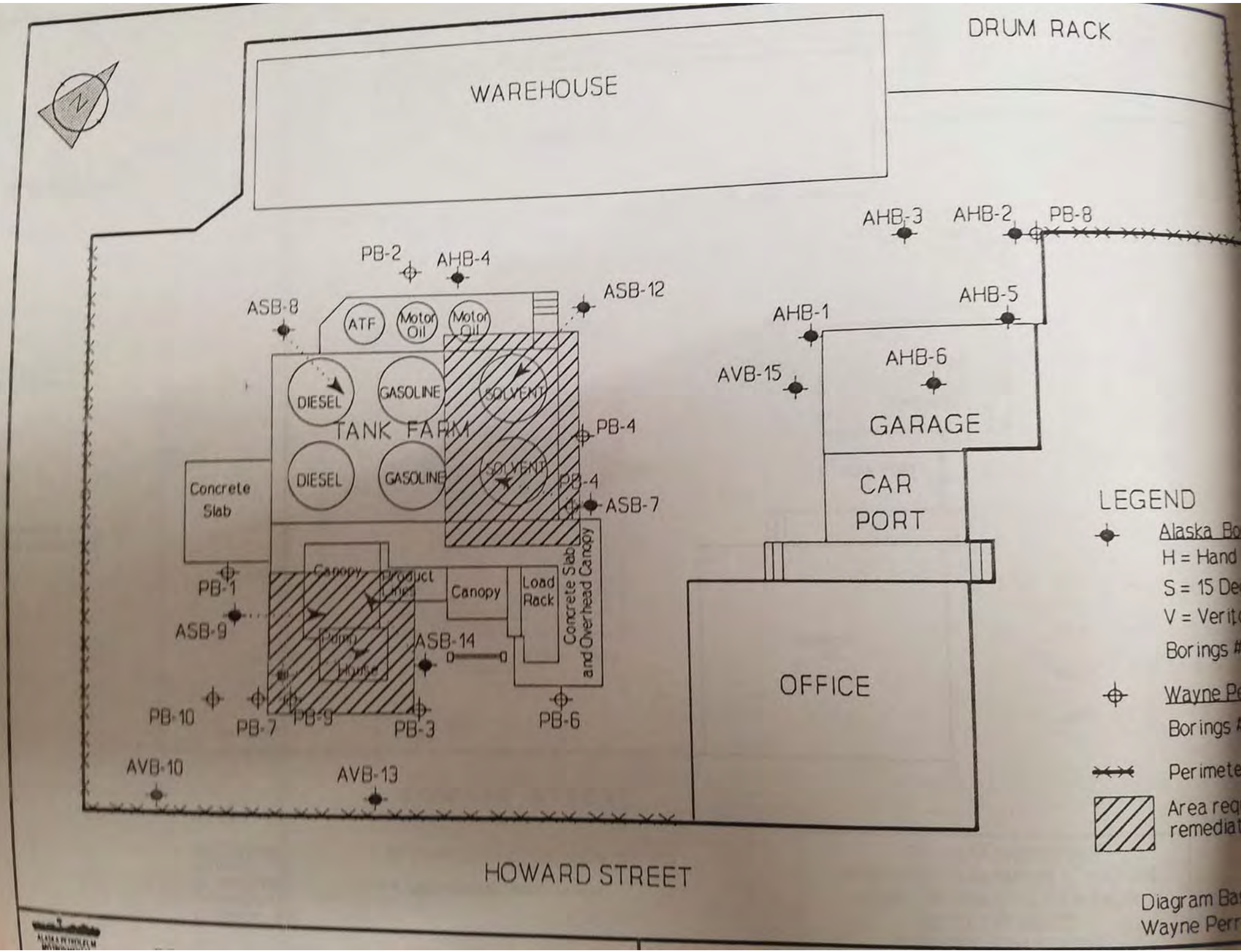
6/19/95

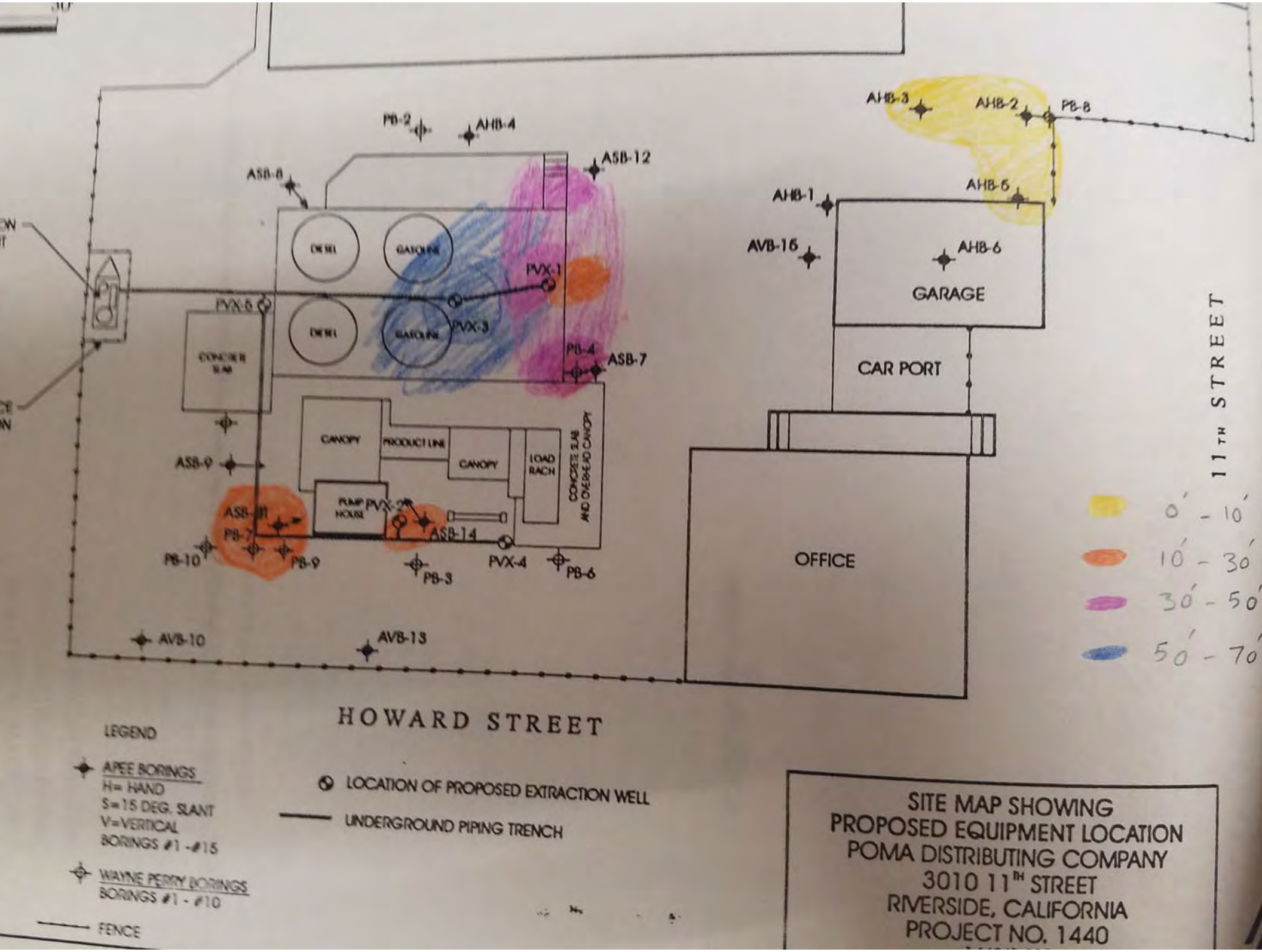
Dixie:

I spoke to Ed Casey (representative from Poma Distributing) They would like to go on with our request in phases.

1- To drill a bore hole & test for BTEX & Diesel & Gasoline 8015M and 8020. In addition to TCLP Testing.

2- If the results of TCLP show potential for leaching, then go to ground water. If the results show no leaching potential, then they want to abandon the idea of the GW sampling.


DRUM RACK
WAREHOUSE
AHB-3
AHB-2
PB-8
PB-2
AHB-4
ASB-12
ASB-8
ATF
Motor Oil
Motor Oil
AHB-1
AHB-5
AHB-6
AVB-15
DIESEL
GASOLINE
SOLVENT
TANK FARM
PB-4
GARAGE
DIESEL
GASOLINE
SOLVENT
PB-4
ASB-7
Concrete Slab
CAR PORT
LEGEND
Canopy
Product Line
Canopy
Load Rack
Concrete Slab and Overhead Canopy
PB-1
ASB-9
Pump House
ASB-14
OFFICE
PB-10
PB-7
PB-9
PB-3
PB-6
AVB-10
AVB-13
HOWARD STREET



LEGEND

APEE BORINGS
H= HAND
S=15 DEG. SLANT
V=VERTICAL
BORINGS #1 -#15

WAYNE PERRY BORINGS
BORINGS #1 - #10

FENCE

LOCATION OF PROPOSED EXTRACTION WELL

UNDERGROUND PIPING TRENCH

SITE MAP SHOWING
PROPOSED EQUIPMENT LOCATION
POMA DISTRIBUTING COMPANY
3010 11TH STREET
RIVERSIDE, CALIFORNIA
PROJECT NO. 1440

Bankrupt in 90/91.

POMA bought site out of bankruptcy in Aug. 91.

POMA suing Campbell's and Perry.

POMA stopped using tanks 6-9 mos. after purchase

Larger tanks out of SUC.
Solvent and Kerosene tanks removed from site.

Remedial Approach
SVE for lighter HCs.
Biorem. for diesel range HCs

Depth to G.W. ~ 150 ft. ?

FMC facility

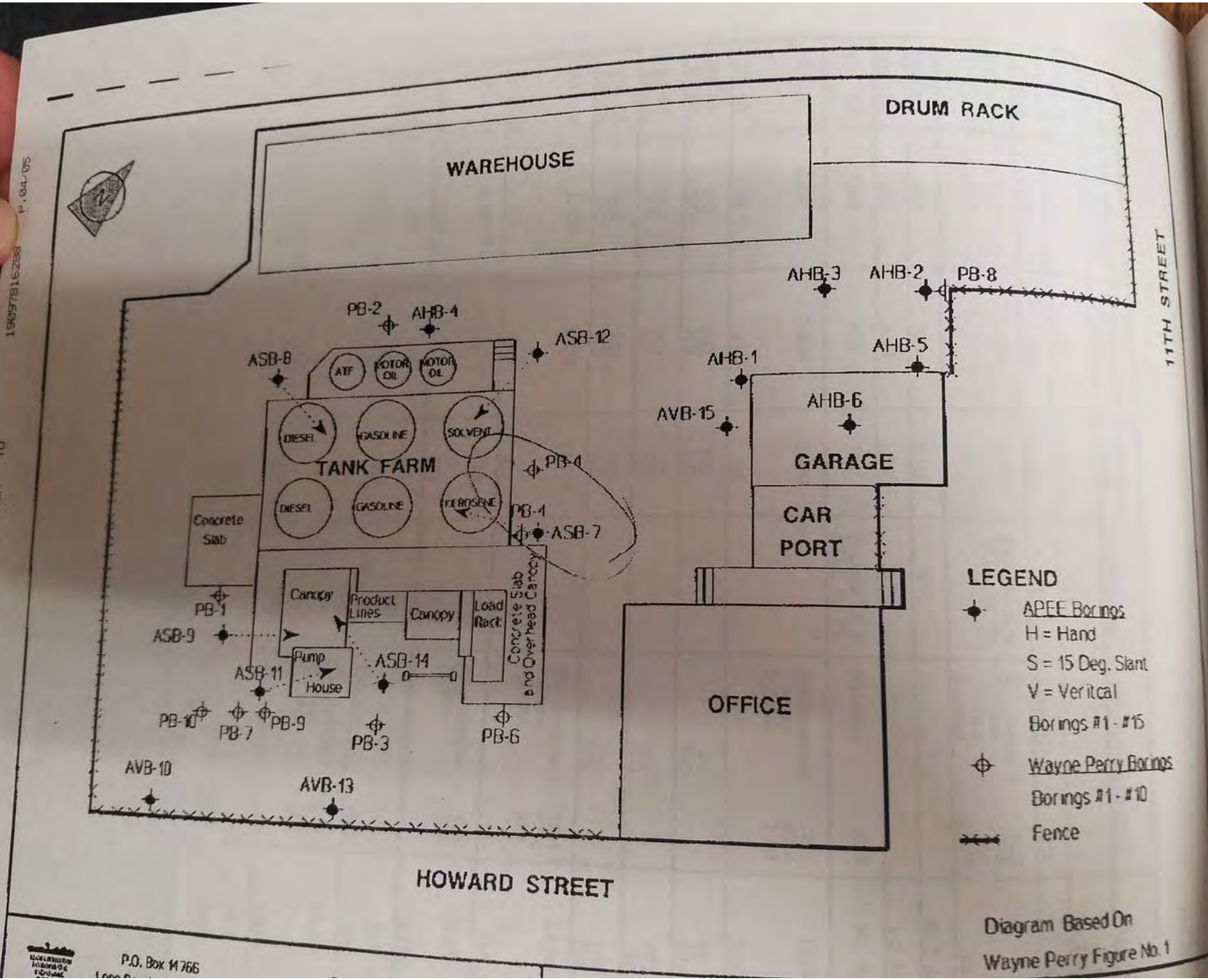


Diagram Based On
Wayne Perry Figure No. 1

TABLE 2
Analytical Results

Sample ID-Feet (BGS)	EPA Method 8015 Gasoline (PPM)	EPA Method 8015 Diesel (PPM)	418-1 TRPH (PPM)	CCR Metals	EPA Method 8240 (PPM)	PID (PPM)
HB1 -2						117
HB1 -5	ND	ND	ND	BTL		21.2 Auger
HB2 -2	ND	4,480	12,200	BTL	Xylenes .010	172
HB3 -2.5	1.5[a]	12,600	13,200	Exceeds 10 X STLC for Pb	Ethylbenzene .005 Xylenes .016 Toluene .007 Acetone .081[7]	387
HB4 -0.5	ND	ND	1,160	BTL		45.2 Auger
HB5 -1.0	ND	148[5]	1,200	BTL		1.5 Auger
HB6 -1.0	ND	ND	74	Exceeds 10 X STLC for Pb	Xylenes .028	101 Auger
B7 -35	1,187 [1]	2,890	2,080		Ethylbenzene .755 Toluene 62.4 Xylenes 3.39	10,000
B7 -50	70 [2]	131	40			7,900
B8 -55	ND	ND	ND		---	86.2
B8 -60	ND	ND	ND		ND	60.0
B9 -35	ND	ND	ND		---	421
B9 -55	ND	ND	ND		ND	160
B10 -25	ND	ND	ND		---	182
B10 -60	ND	ND	ND		ND	154
B11 -20	1,750	6,470	11,300		Ethylbenzene 70.4 Toluene 77.1 Xylenes 399.	10,000
B11 -35	ND	ND	4.8			330
B12 -35	3,050 [4]	3,450 [3]	4,200		Ethylbenzene .086 Xylenes .504	10,000
B12 -45	ND	ND	ND			10,000
B13 -55	ND	ND	ND			313
B13 -60	ND	ND	ND		Toluene .013	422
B14 -25	1,130	3,650[6]	3,500		Ethylbenzene 1.68 Toluene 1.44 Xylenes 12.5	10,000
B14 -45	ND	ND	ND			1,610
B15 -55	ND	ND	ND			10.2
B15 -60	ND		792[8] ND[9]		Ethylbenzene .006[8] Toluene .055 Xylenes .033	26.3

(1) Contains gasoline and hydrocarbons heavier than gasoline
(2) Contains hydrocarbons heavier than gasoline
(3) Contains hydrocarbons lighter than diesel
(4) Contains hydrocarbons other than gasoline
(5) Within diesel range, heavier than diesel
(6) Hydrocarbons in gasoline range
(7) Potential laboratory contaminant
(8) Initial sample result
(9) Reanalysis of same sample

PID = Photoionization Detector
PPM = Parts Per Million
BGS = Below Ground Surface
TRPH = Total Recoverable Petroleum Hydrocarbons
ND = Not Detected
BTL = Below Threshold Limits
Pb = Lead
STLC = Soluble Threshold Limit Concentration
CCR = California Code of Regulations, Title 22

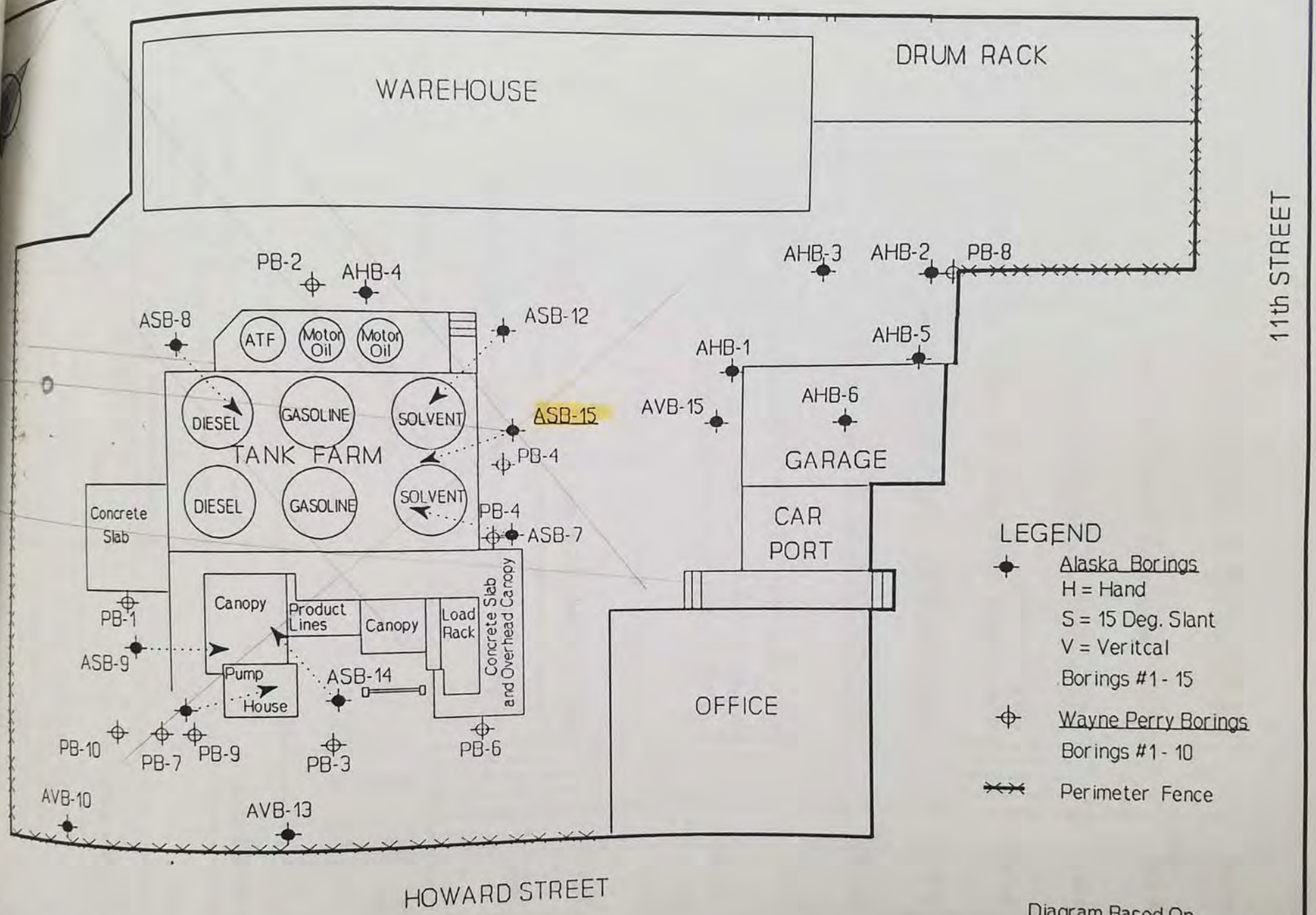


Diagram Based On
Wayne Perry Figure No. 1

P.O. Box 14766
Long Beach, CA 90803
(310) 433-5144

P.O. Box 81904
Fairbanks, AK 99708
(907) 479-9555

SITE BORING LOCATIONS
3010 11th Street, Riverside CA
Project No. 601732
Figure 2

Scale: 1" = 25'

ALASKA PETROLEUM ENVIRONMENTAL ENGINEERING

Fairbanks, Alaska 99708
907-479-8555

California Office
P.O. Box 14766
Long Beach, California 90803
310-433-5144
Fax: 310-433-6998

Contractor: ABC Liovin		
Drilling Method: CME 75	Elevation:	
Location: 3010 11th Street, Riverside, CA	Total Depth: 75.00' (70' VERTICAL)	Completed Depth: 75.00'
Project Number: 601372	Remarks: Refusal at 75 feet	
Project Name: POMA DISTRIBUTING CO.	Logged By: RGS	Checked By: RGS

Depth (ft)	PID	Recovery	Blow Count	Sample No.	USCS Code	Graphic Log	Material Description
	76.1 ppm		4 3 3	ASB-15-5	ML		very fine sandy silts, loose, Lo HC, moderate yellow brown (10 YR 5/4)
							similar to previous interval, loose, Md Sg HC, dark gray
10	18.5 ppm		3 3 4	ASB-15-10			similar to previous interval, loose, No HC, light olive gray (5 y 5/2)
	1780 ppm		3 5 8	ASB-15-15	SM		coarse silty sands, loose, Sg HC, light olive gray (5 y 5/2)
20	935 ppm		7 11 23	ASB-15-20			fine micaeous silts, medium loose, Sg HC, light olive gray (5 y 5/2)
							grades to very coarse quartz, sands, Sg HC, decomposition odor
	2000+ ppm		10 13 16	ASB-15-25			coarse quartz sands, medium loose, V Sg HC, light olive gray (5 y 6/1)
30	2000+ ppm		10 10 14	ASB-15-30	ML		grades to very fine silts with some sand, V Sg HC, dark yellowish brown (10 YR 4/2)
	2000+ ppm		5 10 14	ASB-15-35			similar to previous interval except sand coarser, medium loose, V Sg HC, dark yellowish brown (10 YR 4/2)
40	2000+ ppm		10 8 18	ASB-15-40			similar to previous interval, medium loose, V Sg HC, olive gray (5 y 4/4)
							coarse quartz sand
	2000+ ppm		22 24 30	ASB-15-45			similar to previous interval, coarse, quartz sands, dense, V Sg HC, light olive gray (5 y 6/1)
50	2000+ ppm		14 24 31	ASB-15-50	SW		similar to previous interval except with some gravel, dense, V Sg HC, light gray (5 y 6/1)
	2000+ ppm		36 40 43	ASB-15-55			similar to previous interval except less well sorted, very dense, V Sg HC, moderate brown (5 YR 4/4)

Sample ID-Feet (BGS)	EPA Method 8015 Gasoline (PPM)	EPA Method 8015 Diesel (PPM)	418-1 TRPH (PPM)	CCR Metals	EPA Method 8240 (PPM)	PID (PPM)
HB1 -2 HB1 -5	ND	ND	ND	BTL		117 21.2 Auger
HB2 -2	ND	4,480	12,200	BTL	Xylenes .010	172
HB3 -2.5	1.5[6]	12,600	13,200	Exceeds 10 X STLC for Pb	Ethylbenzene .005 Xylenes .016 Toluene .007 Acetone .081[7]	387
HB4 -0.5	ND	ND	1,160	BTL		45.2 Auger
HB5 -1.0	ND	148[5]	1,200	BTL		1.5 Auger
HB6 -1.0	ND	ND	74	Exceeds 10 X STLC for Pb	Xylenes .028	101 Auger
B7 -35	1,187 [1]	2,890	2,080		Ethylbenzene .755 Toluene 62.4 Xylenes 3.39	10,000
B7 -50	70 [2]	131	40			7,900
B8 -55 B8 -60	ND ND	ND ND	ND ND		--- ND	86.2 60.0
B9 -35 B9 -55	ND ND	ND ND	ND ND		--- ND	421 160
B10 -25 B10 -60	ND ND	ND ND	ND ND		--- ND	182 154
B11 -20	1,750	6,470	11,300		Ethylbenzene 70.4 Toluene 77.1 Xylenes 399.	10,000
B11 -35	ND	ND	4.8			330
B12 -35	3,050 [4]	3,450 [3]	4,200		Ethylbenzene .086 Xylenes .504	10,000
B12 -45	ND	ND	ND			10,000
B13 -55	ND	ND	ND			313
B13 -60	ND	ND	ND		Toluene .013	422
B14 -25	1,130	~~3,650[3]~~ 17,300	3,500		Ethylbenzene 1.68 Toluene 1.44 Xylenes 12.5	10,000
B14 -45	ND	ND	ND			1,610
B15 -55	ND	ND	ND			10.2
B15 -60	ND	ND	792[8] ND[9]		Ethylbenzene .006[8] Toluene .055 Xylenes .033	26.3

1) Contains gasoline and hydrocarbons heavier than gasoline
2) Contains hydrocarbons heavier than gasoline
3) Contains hydrocarbons ligher than diesel
4) Contains hydrocarbons other than gasoline
5) Within diesel range, heavier than diesel
6) Hydrocarbons in gasoline range
7) Potential laboratory contaminant
8) Initial sample result
9) Re-analysis of same sample

PID = Photoionization Detector
PPM = Parts Per Million
BGS = Below Ground Surface
TRPH = Total Recoverable Petroleum Hydrocarbons
ND = Not Detected
BTL = Below Threshold Limits
Pb = Lead
STLC = Soluble Threshold Limit Concentration
CCR = California Code of Regulations, Title 22

op\pb2\400322.ebt

July 11, 1996

In accordance to the additional workplan submitted to and approved by the Regional Water Board, a single, directional boring was advanced in the proximity of ASB-7 to a true vertical depth of 70 feet BGS. The boring location (ASB-15) was selected since fuel hydrocarbon concentrations were previously detected in this area at 50 feet BGS. These concentrations were thought to potentially yield the "worst-case" analytical results for the site.

Select soil samples were analyzed by the United States Environmental Protection Agency (USEPA) Methods:

8015M (carbon-chain distribution or "simulation distillation"),

8020 (benzene, toluene, ethylbenzene, and xylenes [BTEX]), and

TCLP Organics (for only the fuel hydrocarbons)

Nine soil samples were submitted for chemical analysis. Seven samples were analyzed for TCLP Organics, three of which were also analyzed by 8015M/8020, and two additional samples were analyzed for only 8015M/8020.

The analytical results indicated that there is a lens of contaminated soil at approximately 35 feet BGS which corresponds to the previous site assessment results. In addition, there was another zone of contamination from 50 to 70 feet BGS, although the contaminant concentration appears to rapidly decrease with depth.

The TCLP analytical results indicated that the material has a very low leaching potential. There was approximately 700 ppm of gasoline at 70 feet BGS, however the TCLP result was less than six ppm which indicates that the leaching potential at this depth was very minimal.

In the September 1996 letter, the Regional Water Board indicated that they felt that additional site work was warranted and requested the following:

- Sample the on-site soil and groundwater downgradient of the contaminated area. The groundwater information was supplied indicating that water was approximately 100 feet BGS and the gradient was southwesterly (S 55° N). At a minimum, the samples had to be analyzed by USEPA Methods 8015 (gasoline and diesel) and 8020.

- "The vertical and lateral extent of the soil contamination must be further delineated."

Additional Investigation

Following the previously approved procedures/protocols that *Alaska Petroleum* employed on-site, one boring (AVB-17) was advanced downgradient of the tank farm area, ***Figure 2, Site Boring Locations***. Due to the estimated depth to groundwater, a hollow stem auger drill rig was used to collect the soil samples and a Hydropunch® was used to collect the groundwater sample.

October 3-4, 1996

Soil samples were collected for analysis at five foot depth intervals from the surface to 110 feet BGS; groundwater was encountered at approximately 107 feet BGS. Due to auger refusal at 100 feet BGS the CME 75 high torque drill rig was replaced with a Failing F-10 to complete the boring.

Results

The samples were analyzed by the Regional Water Board's specified analytical methods. A copy of the soil boring log and laboratory report is incorporated as ***Attachment 1, Analytical Results***.

Due to the low concentrations of volatile organic compounds which were measured in the field, *Alaska Petroleum* instructed the laboratory not to analyze the samples by the TCLP Organic test until the USEPA 8015 and 8020 test results could be reviewed and evaluated. The analytical results for both the soil and groundwater samples, at the method detection limit, were non-detect. Therefore, based upon the analytical results the TCLP test was not requested.

Closing Remarks

It appears that groundwater has not been impacted based upon the analytical results from AVB-17. In addition, the areal and vertical extent on the western side of the tank farm has been more fully delineated. The areal and vertical extent of the contamination contained within the tank farm has been defined by the following borings tank farm: ASB -7, -12, -15 and AVB-15 (north and northeast side), ASB-9, -11 and -14 (east and south side), and ASB-8 and AVB-17 (west and southwest side). All of the analytical results obtained from these borings were either non-

The Park Corporation

DEC 1997
Received
CRWQCB
Santa Ana-Region 8

November 25, 1997

Mr. Ray Akhtarshad
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
3737 Main Street, Suite 500
Riverside, California 92501-4130

1440-J1

REFERENCE: **Results of Soil Vapor Extraction Treatability Testing**
Poma Distributing Company Site
3010 11th Street, Riverside, California

Dear Mr. Aktrarshad:

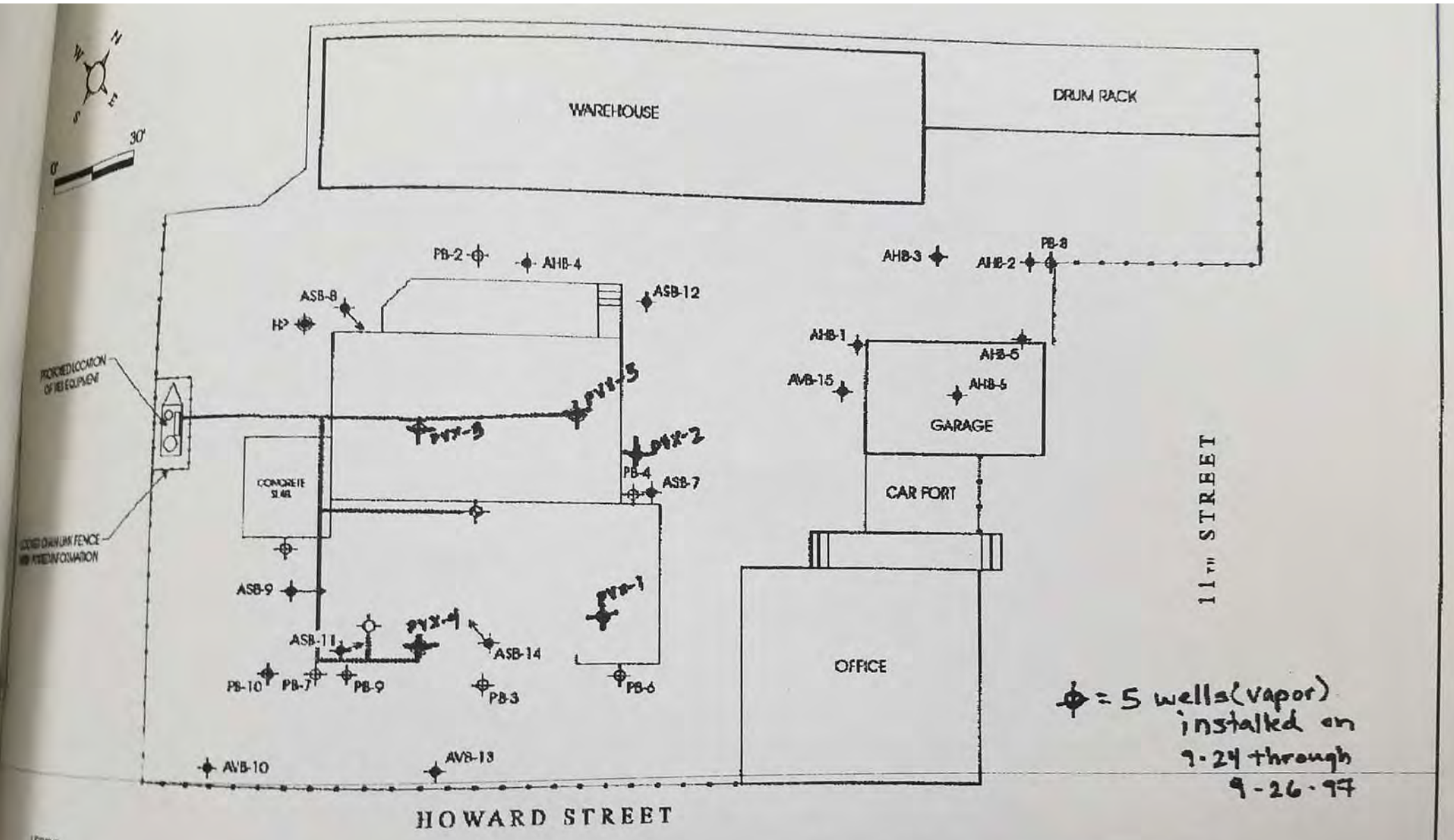
The Park Corporation (Park) is pleased to present the findings of a soil vapor extraction (SVE) treatability test conducted at the Poma Distributing Company Site located at 3010 11th Street, Riverside, California (the "Site") as shown on Figure 1.

Park installed five vadose zone vapor extraction wells on the Site from September 24 through 26, 1997. These wells were screened at various intervals ranging from 10 to 70 feet below ground surface (bgs). The locations of these wells are shown on Figure 1 and details of lithology and well construction are shown on Boring Logs included as Appendix A. Soil samples were collected and analyzed for fuel hydrocarbons using EPA methods 8015 and 8020. Results of thyese analyses are presented on Table 1. Two of the soil borings were advanced to the depth of static groundwater at approximately 105 feet below the ground surface (bgs), and groundwater samples were collected using a "Hydropunch" type sampling system. Results of groundwater analyses indicated Non-Detect concentrations of Total Petroleum Hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE). Copies of laboratory reports are included in Appendix C.

The SVE treatability test consists of applying vacuum to a well and measuring the response in terms of vapor flow, induced vacuum, and concentration of volatile constituents. In addition, magnahelic gauges are placed on each of the other wells to measure induced vacuum. This process is repeated until each well has been tested. Vapor samples are collected from each well after a period of approximately 30 to 60 minutes. These vapor samples represent recoverable soil vapors in a non-equilibrium (active SVE remediation) condition.

COMPLETE REPORT IS IN EXPANDO

5100 E. Hunter Avenue ✱ Anaheim, CA 92807 ✱ Tel: 714.777.1001 or 800.727.7275 ✱ Fax: 714.777.1262



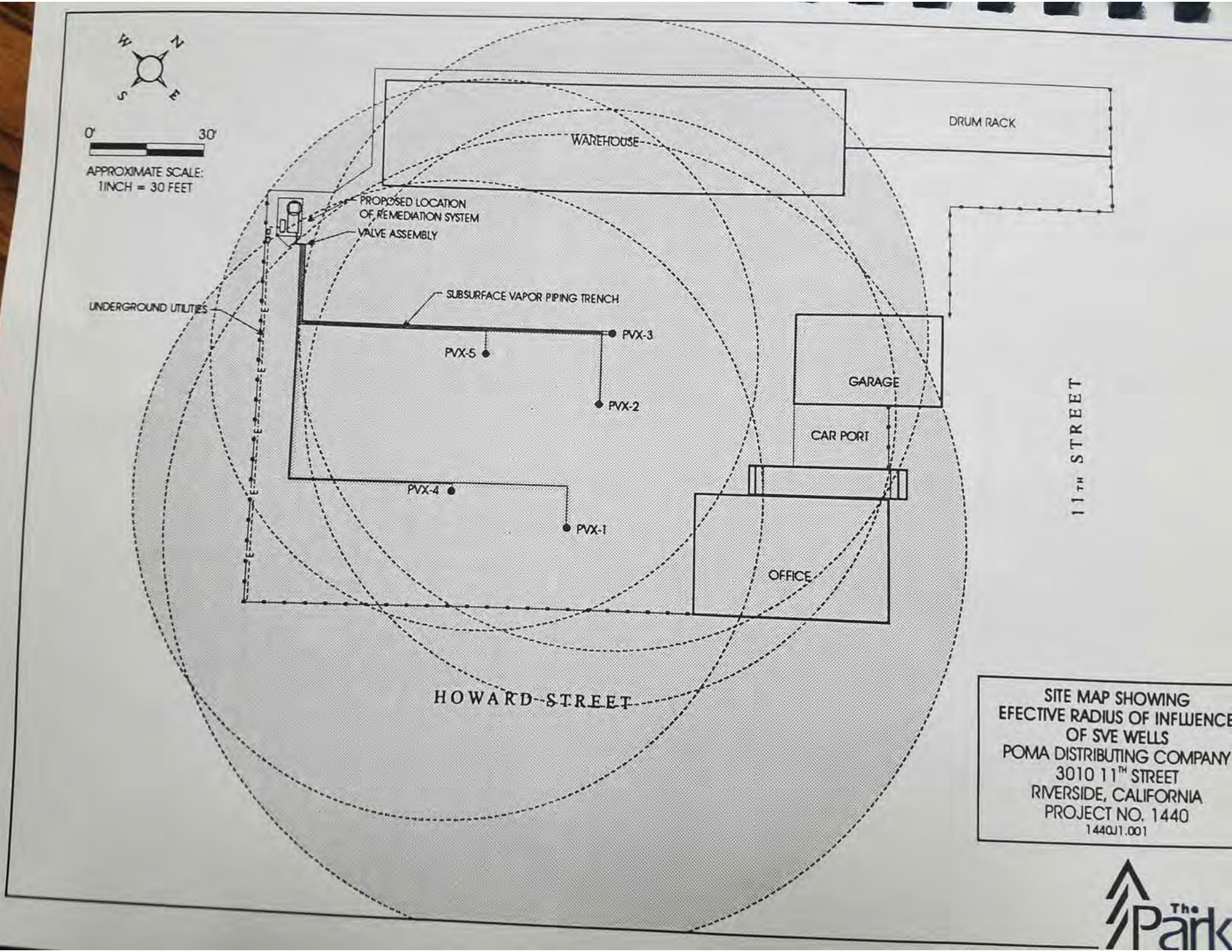
LEGEND

- AFSE BORINGS
  H = HANC
  S = 15 DEG. SLANT
  V = VERTICAL
  BORINGS #1 - #15
- WAYNE PERRY BORINGS
  BORINGS #1 - #10
- FENCE
- UNDERGROUND PIPING TRENCH
- PREVIOUS HYDROPUNCH
- PROPOSED VAPOR WELL / HYDROPUNCH SCREENED [redacted]
- PROPOSED VAPOR WELL SCREENED [redacted]
- PROPOSED VAPOR WELL SCREENED @ 10'-50'

SITE LOCATION MAP
POMA DISTRIBUTING COMPANY
3010 11TH STREET
RIVERSIDE, CALIFORNIA
PROJECT NO. 1440
1440J1.004

The Park Corporation

FIGURE 1


W
N
S
E
0'
30'
APPROXIMATE SCALE:
1INCH = 30 FEET
WAREHOUSE
DRUM RACK
PROPOSED LOCATION
OF REMEDIATION SYSTEM
VALVE ASSEMBLY
UNDERGROUND UTILITIES
SUBSURFACE VAPOR PIPING TRENCH
PVX-3
PVX-5
PVX-2
PVX-4
PVX-1
GARAGE
CAR PORT
OFFICE
11TH STREET
HOWARD STREET
SITE MAP SHOWING
EFECTIVE RADIUS OF INFLUENCE
OF SVE WELLS
POMA DISTRIBUTING COMPANY
3010 11TH STREET
RIVERSIDE, CALIFORNIA
PROJECT NO. 1440
1440J1.001
The Park

Project Status Update of Soil Vapor Extraction Activities
Second Quarter 2000 at
Poma Distributing Company
3010 11th Street
Riverside, California
Park Project No. 1440-J1

1.0 INTRODUCTION

The following report is submitted as a project update and describes the results of soil vapor extraction (SVE) activities conducted by **The Park Corporation (Park)** from April through June 2000 at Poma Distributing Company's Facility, located at 3010 11th Street, Riverside, California (the "Site", Figure 1). This report was prepared for submittal to the California Regional Water Quality Control Board – Santa Ana Region (CRWQCB), the lead agency overseeing environmental work being conducted at the Site.

2.0 SUMMARY OF SECOND QUARTER 2000 SVE OPERATIONS

2.1 SVE Operation

Active Vapor Extraction Wells During Second Quarter 2000	**PVX-1 through PVX-5**
Total Number of Days of Active Vapor Extraction Since Initial Start-Up (July 22, 1999)	**260.1**
Total Number of Days of Active Vapor Extraction During Second Quarter 2000 (91 day quarter)	**52.5**
Average Vapor Flow Rate through a 200 SCFM HMT Unit (minus dilution air)	**95 SCFM**
Cumulative Total Petroleum Hydrocarbons (TPH) Captured Since Start of VES Activities (July 22, 1999)	**1833.8 lbs**
Average Monthly TPH Extracted and Captured During Second Quarter 2000	**116.78 lbs**
Average Daily TPH Extracted and Captured During Second Quarter 2000	**8.63 lbs**

The SVE unit was started on July 22, 1999. As of June 30, 2000, the system has operated for a total of approximately 260.1 days. In June of 2000, discrete soil vapor samples were collected from extraction wells PVX-1 through PVX-5 and analyzed for fixed gases. Previous sample results from January 1999 indicated an oxygen deficient zone in the soil at less than 3 percent. Results of the June 2000 sampling episode indicated that oxygen levels in the soil have increased to a range of 15 to 18 percent. With the lack of oxygen entering the combustion chamber, the SVE unit was only operational for 60 percent during second quarter activities. These low oxygen soil vapors were addressed by opening the dilution valve to allow sufficient oxygen to mix with the soil vapors. The

primary constituent at the Site is total petroleum hydrocarbons (TPH). SVE operational data and aromatic hydrocarbon recovery data from the Site may be observed in Table 1. Supporting calculations for aromatic hydrocarbon recovery may be observed in Table 2.

2.2 Influent and Effluent Vapor Sample Collection

Three (3) vapor sampling episodes were used this quarter to estimate TPH and aromatic volatile compound concentrations entering the SVE unit. Discrete soil vapor samples were collected in June of 2000. Vapor samples were collected in Tedlar fluorocarbon polymer bags using a non-contaminating, hand-held, SKC vacuum pump. Tedlar bags were leak tested prior to use in the field by filling them with purified nitrogen and allowing them to sit overnight. Bags showing signs of leakage were discarded. Influent and effluent vapor samples were analyzed for TPH and aromatic volatile compounds using EPA Methods 8015 modified for gasoline and 8020. The discrete soil vapor samples were also analyzed for fixed gases using GC/TCD (ASTM D1946-90). The results of these analyses, along with analytical data collected from individual vapor well sampling episodes, are summarized in Table 3. Graphical presentations of soil vapor concentrations of TPH over time are included as Figure 3. Daily and cumulative TPH compounds recovery graphs are presented as Figures 4 and 5. Copies of the laboratory reports and chain-of-custody documents for the vapor sampling events can be found in Appendix A.

2.3 Laboratory Analytical Results

The analytical results of the influent vapor concentrations were used to assess the variations in TPH and aromatic hydrocarbons entering the SVE unit and to estimate the total pounds of TPH recovered. Average influent TPH concentrations for the second quarter were variable for the three sampling events at concentrations of 587, 16, and 420 parts per million by volume (ppmv), respectively. Toluene was detected above laboratory detection limits in all three sampling events at concentrations of 1.4, 1.4, and 18 ppmv. All other aromatic hydrocarbon compounds were below the analytical laboratory detection limits. One overall effluent sample was collected in the second quarter 2000 sampling event. TPH was detected above analytical laboratory detection limits at a concentration of 10 ppmv. All other aromatic hydrocarbons were below the analytical laboratory detection limits.

Discrete soil vapor samples results for aromatic hydrocarbons in extraction wells PVX-1 through PVX-5 ranged from 1,300 to 5,100 ppmv for TPH, not detected (ND) to 5.2 ppmv for benzene, ND to 68 ppmv for toluene, ND to 1.2 ppmv for ethylbenzene, and 7.6 to 43 ppmv for total xylenes. Overall, discrete concentrations for TPH have decreased 33% since the start-up of the SVE unit in January 1999. Oxygen levels in individual wells have increased since the initial start-up of the SVE unit to concentrations ranging from 15 to 18 percent. Discrete soil vapor sample results can be observed in Table 4.

3.0 SUMMARY OF SECOND QUARTER 2000 SVE MONITORING AND SAMPLING ACTIVITIES

A summary of findings and conclusions from SVE unit installation and vapor extraction activities is as follows:

- Overall influent TPH soil vapor concentrations collected during the second quarter 2000 activities for April, May, and June were 587, 49, and 420 ppmv, respectively. Other constituents detected above laboratory analytical detection limits were toluene at concentrations ranging from 1.4 to 18 ppmv and total xylenes ranging ND to 3.3 ppmv. All other aromatic hydrocarbons remained below laboratory analytical detection limits.

- Discrete influent soil vapor results from the second quarter, indicated a 33% reduction for TPH since the initial start-up of the SVE unit. TPH decreased in PVX-1, PVX-2, and PVX-4 from 4,600, 3,900, and 7,300 in January 1999 to 1,500, 1,400, and 5,100 ppmv in June 2000. TPH concentration in PVX-3 and PVX-5 has increased from 1,600 and 49 ppmv in January 1999 to 2,300 and 1,300 in June 2000. The increase in PVX-3 and PVX-5 may be attributed to the extraction wells radius of influence capturing contaminants from other areas of concern within the core of the plume.

- All extraction wells remain open to SVE remediation at the Site.

- Average daily TPH recovery for the second quarter was 8.63 pounds. Approximately 1,833 pounds of TPH compounds were recovered and destroyed during SVE activities from July 22, 1999 (system start-up) through June 30, 2000.

- Semi-annual sampling of individual well vapor concentrations will establish if individual extraction wells are to be opened or closed to vapor extraction during the course of ongoing remedial activities.

- Comprehensive quarterly sampling of influent soil vapor will continue on a monthly basis to help establish a trend in aromatic hydrocarbon concentrations.

4.0 LIMITATIONS AND SIGNATURES

Subsurface soil remediation services performed by **Park** were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

3.0 SUMMARY OF THIRD QUARTER 2000 SVE MONITORING AND SAMPLING ACTIVITIES

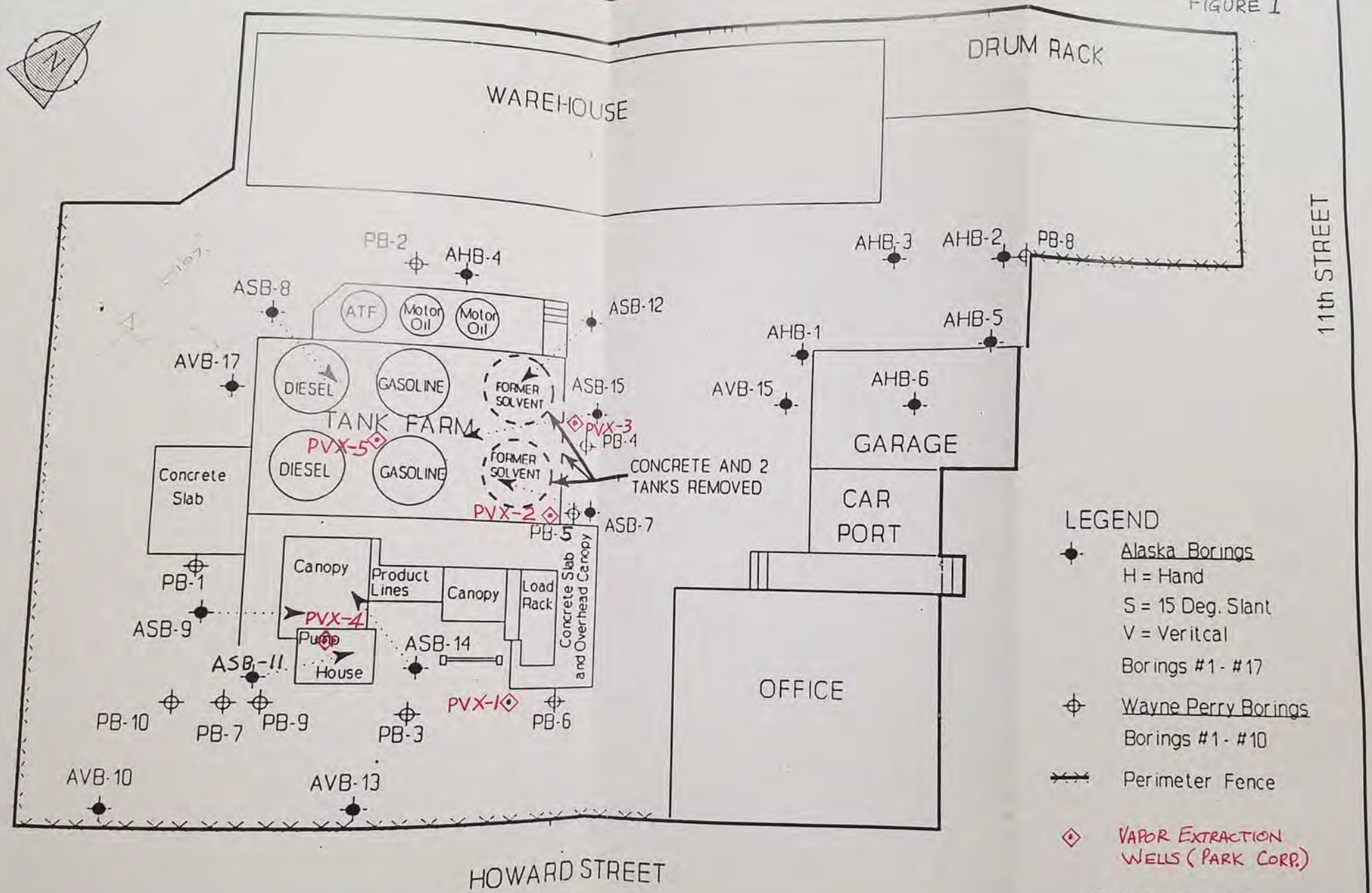
A summary of findings and conclusions from SVE unit installation and vapor extraction activities is as follows:

- Overall influent TPH soil vapor concentrations collected during the third quarter 2000 activities for July and August were 120 and 489 ppmv, respectively. Other constituents detected above laboratory analytical detection limits were ethylbenzene and total xylenes at concentrations of 0.67 and 1.8 ppmv. All other aromatic hydrocarbons remained below laboratory analytical detection limits.
- All extraction wells remain open to SVE remediation at the Site.
- Average daily TPH recovery for the third quarter was 6.1 pounds. Approximately 1,960 pounds of TPH compounds were recovered and destroyed during SVE activities from July 22, 1999 (system start-up) through September 30, 2000.
- Semi-annual sampling of individual well vapor concentrations will establish if individual extraction wells are to be opened or closed to vapor extraction during the course of ongoing remedial activities.
- Comprehensive quarterly sampling of influent soil vapor will continue on a monthly basis to help establish a trend in aromatic hydrocarbon concentrations.

4.0 LIMITATIONS AND SIGNATURES

Subsurface soil remediation services performed by **Park** were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

FIGURE 1



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Long Beach, CA 90803
(310) 433-5144

P.O. Box 81904
Fairbanks, AK 99708
(907) 479-9555

SITE BORING LOCATIONS
3010 11th Street, Riverside CA
Project No. 601732

Scale: 1" = 25'

Date: 10/96

Site Investigation Observations

Observations, based on the above site investigation results and cleanup levels for the subject site, are summarized below.

a) MTBE does not appear to be a contaminant of concern.

b) Groundwater beneath the site does not appear to be impacted.

c) The top ten feet of soil is not well characterized (neither vertically or laterally).

d) In the proximity of the pump house (see Figure 1), the maximum depth of gasoline impacted soil requiring remediation, based on the above noted cleanup criteria, is on the order of 45 feet. In the tank farm area, the maximum depth is somewhat in excess of 70 feet (as indicated by test results from Boring ASB-15). Although not well defined, the top of the gasoline impacted area in general is likely at a depth of less than 5 feet bgs.

e) Regarding diesel contamination, in the proximity of the pump house the maximum depth of impacted soil requiring remediation is approximately 25 feet. In the tank farm area, the maximum depth is approximately 30 feet. As with gasoline impacted soil, although the near-surface contaminants are not well characterized, the top of the diesel impacted soils are in general likely at a depth of less than 5 feet bgs.

f) Regarding solvents, low levels of various Method 8240 compounds (other than BTEX) were detected in two Perry borings at depths of 30 and 40 feet; testing for these compounds was not performed on shallower samples. Several Alaska soil samples from the same depth regime were also tested using Method 8240, however, no such compounds were detected. Further, allowable levels for such compounds have not been specified. Thus, whether or not solvents are of concern is not clear at this time.

g) Some contaminants in the "oil" category were apparently detected in certain of the Alaska hand augered borings. Whether or not this represents a problem of significance would require additional characterization of near-surface soils.

h) Selected samples from the Alaska hand augered borings were tested for heavy metals. In two cases, the total lead concentration exceeded 10 times the STLC, however, a solubility analysis was not performed. Further characterization of near-surface soils would be needed to determine if a heavy metal problem of significance is present.

i) Based on the estimated vertical extent of gasolene contaminated soil, the screened interval of the vapor extraction wells would appear to be appropriate. Also, the lateral placement of the wells would seem to be acceptable, particularly since the estimated radius of influence of each well (see Figure 3) is significant.

Remediation Activities

As indicated above, active remediation at the subject site was begun on July 22, 1999 and was terminated in the September/October 2000 time frame as a consequence of the vapor extraction contractor (The Park Corporation) going out of business. A top-level summary of the vapor extraction operation (from initiation to termination) is shown in Table 1. A summary of vapor sample analysis results (also from initiation to termination) is shown in Table 2. (Both of these tables have been reproduced from the final Park Corporation Quarterly Project Status Update Report dated October 31, 2000.)

A decision regarding whether to reactivate the vapor extraction process will be made in the future.

Closure

The above information will be utilized as the basis for preparing a Work Plan for follow-on activities. Since active vapor extraction occurred for a reasonably significant period of time and since termination of the extraction process took place over a year ago, it appears that the most reasonable follow-on phase should consist of an additional site characterization activity (composed of several borings and, possibly, trenching of near-surface soils) in order to determine the present status of the property.

The results of this activity would be used to determine the effectiveness of the past vapor extraction operation (which would ultimately lead to a decision as to whether or not the extraction process should be reactivated) and would be used to address issues associated with the need for more detailed characterization of near-surface soils and with possibly solvent, oil and heavy metal contaminants.

If there are questions regarding the above, please call Larry Adams or me at any time.

Sincerely,
Kendall/Adams Group, Inc.

Ken Wicks

Ken Wicks
Project Engineer

Larry W. Adams
Calif. RCE No. 16923
(Expires 06/30/05)

enclosures: Attachments A to D

cc: Mike Poma

AUG 2002
RECEIVED

REPORT
on
FOLLOW-ON BORING INVESTIGATIONS

at

3010 11th Street
Riverside, California

Prepared For

Santa Ana
Regional Water Quality Control Board

August 2002

Prepared By

Kendall/Adams Group, Inc.
San Dimas, CA

REPORT
ON
FOLLOW-ON BORING INVESTIGATIONS
at
3010 11th Street
Riverside, California

1.0 INTRODUCTION

The subject property located at 3010 11th Street, Riverside, CA (see Figure 1- Site Location) was used in the past for bulk storage (in above-ground tanks) of various petroleum hydrocarbon products including gasoline, diesel fuel, kerosene, solvents, motor oil, and transmission fluid. All tanks and associated piping and structures have been removed from the site; the property is currently vacant.

Various subsurface investigations, primarily involving borings, were conducted at the site in the time period from 1990 through 1997. The final set of five borings was converted to vapor extraction wells in 1997. Active vapor extraction was initiated in July 1999 and continued through September/October 2000. The company that was operating the extraction unit went out of business at approximately this time, thus, the process was terminated as of October 2000. The wells, piping, and extraction/treatment unit currently remain onsite.

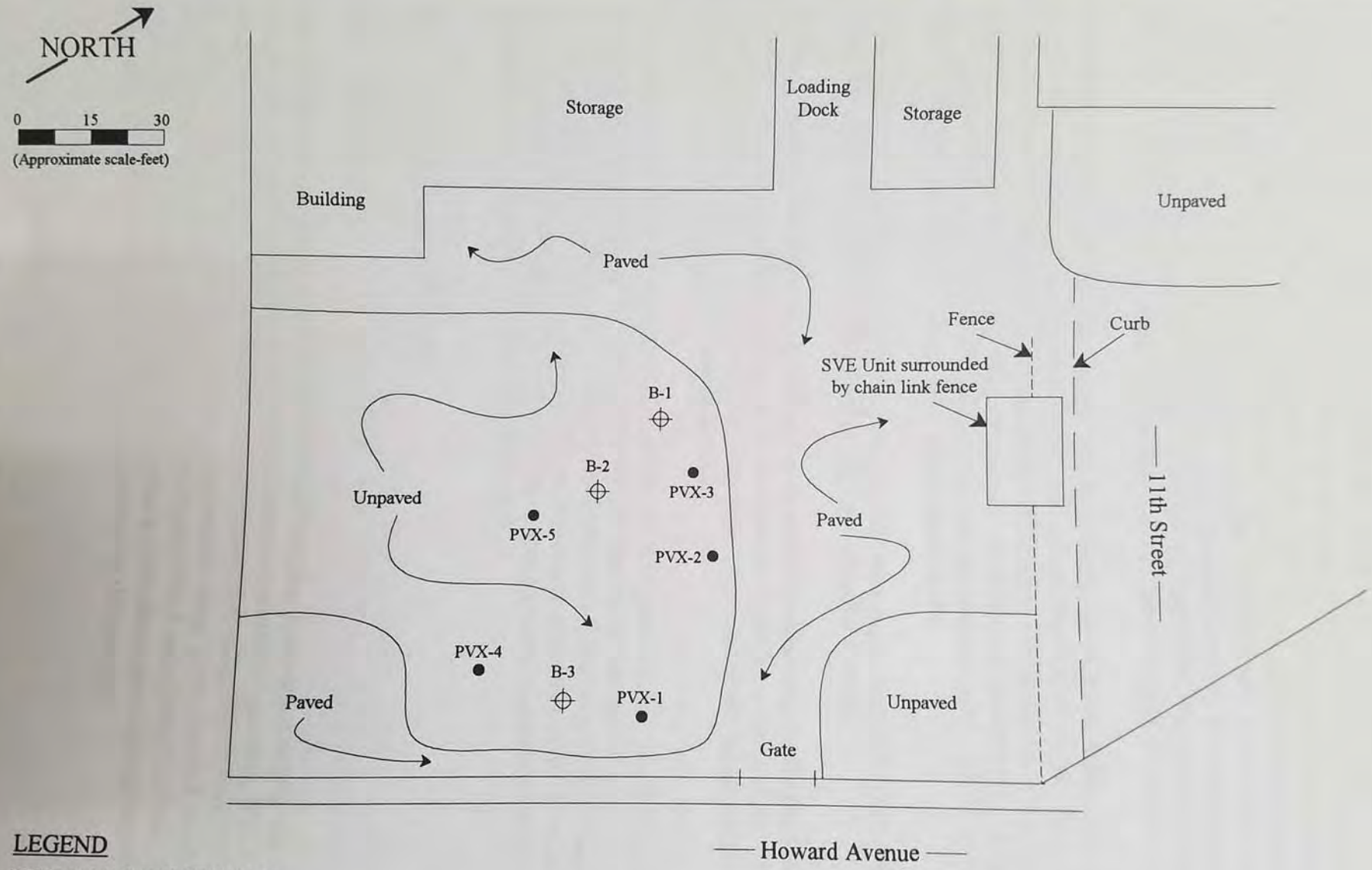
As a first step in reactivating the cleanup process, an onsite meeting, involving members of Kendall/Adams Group, Inc. (KAG) and an official from the Santa Ana Regional Water Quality Control Board (SARWQCB), was held to discuss possible options. It was decided at the meeting that KAG would prepare a work plan for submittal to the SARWQCB proposing a course of action for the immediate future. This work plan was submitted in April 2002; an approval letter from the SARWQCB, dated May 13, 2002 is shown in Appendix A - Correspondence.

2.0 PROPOSED INVESTIGATION BACKGROUND

It was proposed that the most useful course of action for the near future should consist of a site assessment activity to determine the present status of the property. An informed decision could then be made regarding whether to continue or permanently terminate the vapor extraction process.

The proposed site assessment consisted of 1) three borings (one of which would be advanced to groundwater) placed in the area occupied by the former above-ground tanks and 2) several trenches that would be dug and sampled in another area of concern on the site. Since the boring and trenching activities represent essentially unrelated portions of the subject property, it was decided to report on the two activities separately. Thus, this document is concerned only with the boring activity. The trenching activity, when completed, will be the subject of a future report.

KAG KENDALL/ADAMS GROUP, INC. 143 Ave. Granada, San Clemente, CA 92672 417 W. Allen Suite 106, San Dimas, CA 91773	Date: July 2002	Title: Site Location	
	CAD File ID: LV21014/July02	Site: POMA 3010 11th Street, Riverside, California	Figure No. 1
	Client: POMA		



LEGEND

B-2 KENDALL/ADAMS GROUP, Inc.
⊕ Exploratory boring location

● Park Corp.
PVX-5 Vapor extraction well location

KAG KENDALL/ADAMS GROUP, INC. 143 Ave. Granada, San Clemente, CA 92672 417 W. Allen Suite 106, San Dimas, CA 91773	Date: July 2002	Title: Site Plan	
	CAD File ID: LV21014/July02	Site: POMA, 3010 11th Street, Riverside, California	Figure No. 2
	Client: POMA		

5.2 Water Samples

Water samples were analyzed for a) gasoline using EPA Method 8015M (gasoline), diesel fuel using EPA Method 8015M (Diesel) and volatile organic compounds (including oxygenates) using EPA Method 8260B. As with the soil samples, maximum holding times were observed.

6.0 LABORATORY TESTING RESULTS

6.1 Soil Samples

Laboratory results for soil samples are summarized in the following tables:

a) Table 1: Laboratory Results - TPH as Gasoline - Soil Samples

b) Table 2: Laboratory Results - TPH as Diesel Fuel - Soil Samples

c) Table 3: Laboratory Results - BTEX/MTBE - Soil Samples

d) Table 4: Laboratory Results - Method 8260B (Including Oxygenates) - Soil Samples

e) Table 5: Laboratory Results - Total Concentrations - Title 22 Metals - Soil Samples

f) Table 6: Laboratory Results - TRPH From Method 418.1 - Soil Samples

Laboratory reports (including Chain-of-Custody forms) from the California DOHS-certified analytical laboratory (Sierra Analytical Laboratory) are shown in Appendix C - Laboratory Reports and Chain-of-Custody Forms.

The following observations are based on the information contained in Tables 1 through 6.

a) Table 1- TPH as Gasoline

- There is significant near-surface (down to approximately 10 feet) gasoline contamination in the vicinity of Boring B-3. This boring is near the location of the former pump house.

- There appears to be a layer of relatively high gasoline contamination (particularly in the vicinity of Boring B-3 but perhaps throughout much of the area where the above-ground tank operation was previously located) that begins at a depth of 20 + feet and extends to a likely maximum depth of 40 + feet.

- Below a depth of 40 + feet, gasoline concentrations are minimal.

TABLE 1

Laboratory Results - TPH as Gasoline - Soil Samples

Depth To Sample Point (ft)	Detected Concentration From EPA Method 8015B For Gasoline (mg/kg)		
	Boring B-1	Boring B-2	Boring B-3
1	ND (1)	ND	8,900
3	ND	2.3	13,000
5	ND	ND	5,700
10	ND	64	3,300
15		41	0.090
20	ND	0.12	0.23
25	1,000	33	5,200
30	1,800	170	10,000
35	0.86	ND	2,100
40	0.089	0.062	1,100
45			
50	0.15	ND	0.16
55			
60	ND	ND	0.16
65	X		X
70	X	0.68	X
75	X		X
80	X	1.0	X
85	X		X
90	X	2.8	X
95	X		X
100 (Interface)	X	0.55	X

(1) Not Detected at the Method Detection Limit

Blanks indicate no analysis performed
X's indicate boring not extended to this depth

chromium. This second limit is referred to as the Toxicity Characteristic Leaching Procedure or TCLP limit. Chromium is also considered to be hazardous if the concentration, as determined by a TCLP test, is equal to or exceeds the TCLP limit.

Because of the particular procedure used to conduct the STLC and TCLP tests, the following rules are applicable: If the total concentration is less than ten times the STLC, then the STLC will not be exceeded. Additionally, for chromium, if the total concentration is less than 20 times the TCLP limit, then the TCLP limit will not be exceeded.

- Comparison of the total concentrations given in Table 5 with the TTLCs and STLCs indicates that all values are significantly less than the corresponding TTLCs and (except for lead in Sample B-3 @ 1 foot) are also significantly less than ten times the corresponding STLCs. In addition, the chromium total concentration is less than 20 times the TCLP limit. Thus, except (potentially) for lead in the near-surface in the vicinity of Boring B-3, heavy metals do not appear to be of concern in the portion of the site where the above-ground tank operation was formerly located.

  The most likely remediation technique for near-surface contamination in the vicinity of Boring B-3 is excavation of the impacted soils to a depth of approximately 10 feet. Confirmation samples will be taken from the walls and floor of the excavation to determine if any remaining contaminants are at acceptable levels. Total lead (and soluble lead, if required) will be included in the confirmation testing. Since such tests will be done in the future, it was considered unnecessary to run a soluble lead test at the present time for Sample B-3 @ 1 foot. Thus, currently, near-surface lead in the vicinity of Boring B-3 is considered to be only a potential problem since the soluble concentration is unknown.

f) Table 6 - TRPH From Method 418.1

- There appears to be minor near-surface (less than 5 feet in depth) oil/grease contamination in the vicinity of Boring B-1 (located near the west side of the former above-ground tank complex). Both gasoline and diesel fuel concentrations in this area were essentially ND, however, a maximum TRPH concentration of 552 ppm was obtained at a depth of 1 foot. Although this is indicative of oil/grease contamination, the detected level is quite low. Thus, this contamination is likely of minimal concern.

- Although TRPH results from Method 418.1 are generally considered to represent only gross estimates of the true TPH conditions, the method should detect at least some of the gasoline contamination and most (if not all)of the diesel contamination plus any oil/grease contamination (up to a carbon number of about 40) that may be present. The 418.1 results for Borings B-2 and B-3 at depths of 1 foot and 3 feet are far less than just the diesel fuel contaminant levels (see Table 2). Thus, it is unlikely that an oil/grease contamination problem exists in the vicinity of Borings B-2 and B-3.

6.2 Groundwater Sample

Laboratory results for the groundwater sample obtained from Boring B-2 are summarized in Table 7 - Groundwater Sample From Boring B-2. As indicated in the table, gasoline was detected at a concentration of 1500 ug/l (ppb) and diesel fuel was ND. Several compounds, all considered to be gasoline components, were also detected by test Method 8260B. Additionally, MTBE was detected at a concentration of 21 ppb.

TABLE 7

Laboratory Results - Groundwater Sample From Boring B-2

Compound Tested For	Detected Concentration (ug/l)
Gasoline (from EPA Method 8015B)	1500
Diesel Fuel (from EPA Method 8015B)	ND (1)
Volatile Organics/Oxygenates (from EPA Method 8260B)	sec-Butylbenzene: 4.2 1,2-Dichloroethane: 98 Ethylbenzene: 1.1 Isopropylbenzene: 2.5 4-Isopropyltoluene: 4.0 MTBE: 21 Naphthalene: 3.4 n-Propylbenzene:6.3 1,2,4-Trimethylbenzene: 88 1,3,5-Trimethylbenzene: 26 m,p-Xylenes:1.9

(1) Not Detected at the Method Detection Limit

7.0 CONCLUDING REMARKS

A description of the drilling phase (consisting of three borings and associated sampling and laboratory testing) of the follow-on subsurface investigation at 3010 11th Street, Riverside, CA has been prepared for submittal to the Santa Ana Regional Water Quality Control Board. Following review by the Board, it is anticipated that discussions will be held to consider the next appropriate course of action.

Kendall/Adams Group, Inc.	LV21014	Page 1 of 2	Boring No. B-1

Client: POMA	Jobsite Address: 3010 11th Street, Riverside	Riverside, California
Drilling Company: West HAZMAT	Drill Rig: Mobile Drill B-61	Drill Method: Hollow Stem Auger

Begun: 06/11/02	Finished: 06/11/02	Hole Dia: 7"	Boring Angle: 90°	Hammer Weight/Fall: 140 lbs/30 in.

Total Depth: 61'	Ground Elev: 870'	Elevation Source: USGS Riverside East 1967 Photo Revised 1980	Logged By: Adams/Wicks

Sample Number	Sample Type	Real Time	PID Reading (ppm)	Blow Count/ Sample Length	Elevation in Feet	Depth in Feet	Graphic Log	Material Classification	Notes on: ► Character of drilling ► Logging data ► Water levels ► Laboratory testing
					870	0		Silty Sand (SM) Light brown, dry. Sand fine to very coarse grained with cobbles to 2 inches. No apparent hydrocarbon odor.	Samples 1-1, 1-3, 1-5 and 1-10 all taken during hand augering/ utility clearance on 5/24/02.
1-1	■	1613						Silt (ML) Light brown, dry. Minor sand. No apparent hydrocarbon odor.	
1-3	■	1619						Same as above. No apparent hydrocarbon odor.	
1-5	■	1627				5			
1-10	■	1643			860	10		Same as above. No apparent hydrocarbon odor.	
						15		Same as above. Brown, dry. Sand very fine grained. Possible hydrocarbon odor.	
1-15	■	1138	540	50/18"					
					850	20		Same as above.	
1-20	■	1142	1,450	83/18"					
						25		Sand (SP) Brown, dry. Few Fines. Sand medium to coarse grained. Slight hydrocarbon odor.	
1-25	■	1145	680	73/18"					
					840	30		Same as above. Black. Sand fine to medium grained. Slight odor of waste oil.	
1-30	■	1150	>2,000	40/18"					
						35		Silty Sand (SM) Brown, dry. Sand very fine grained. Slight staining. Slight hydrocarbon odor.	
1-35	■	1156	>2,000	48/18"					
					830	40			

Plate No. A-1.1	Regulatory Oversight: Santa Ana RWQCB

Kendall/Adams Group, Inc.	LV21014	Page 2 of 2	Boring No. B-1

Client: POMA	Jobsite Address: 3010 11th Street, Riverside	Riverside, California
Drilling Company: West HAZMAT	Drill Rig: Mobile Drill B-61	Drill Method: Hollow Stem Auger

Begun: 06/11/02	Finished: 06/11/02	Hole Dia: 7"	Boring Angle: 90°	Hammer Weight/Fall: 140 lbs/30 in.

Total Depth: 61'	Ground Elev: 870'	Elevation Source: USGS Riverside East 1967 Photo Revised 1980	Logged By: Adams/Wicks

Sample Number	Sample Type	Real Time	PID Reading (ppm)	Blow Count/ Sample Length	Elevation in Feet	Depth in Feet	Graphic Log	Material Classification
40	■	1159	338	71/18"	830	40		Silty Sand (SM) Brown, dry. Sand very fine grained. Slight staining. Slight odor.
45	■	1202	700	57/18"		45		Sand (SP) Brown, dry. Few fines. Sand medium grained. No apparent hydrocarbon odors.
50	■	1204	136	86/18"	820	50		Same as above. Sand coarse grained with pebbles to 1/4 inch.
55	■	1210	390	76/12"		55		Same as above. Sand reddish brown. Sand very fine to medium grained.
60	■	1213	113	73/12"	810	60		Same as above.
								Bottom of boring at 61 feet. No water encountered. Boring backfilled with bentonite grout to 2 feet below ground surface and capped with 2 feet native soil.

Notes on:
- Character of drilling
- Logging data
- Water levels
- Laboratory testing

Plate No. A-1.1

Regulatory Oversight: Santa Ana RWQCB

From: Kamron Saremi
To: Ney, Debi
Date: 6/7/2012 12:58 PM
Subject: Re: Former Poma Property in Riverside

Hi Debi,

The case has been inactive since a potential developer was not able to reach any agreement with the City of Riverside for a large housing development in the area that include the historical building at former FMC. The site has petroleum hydrocarbons in the vadose zone and minor impact in the groundwater.

I don't think anything is going to happen soon to the site, unless new buyers come in to the picture.

Thanks,

Kamron

Kamron Saremi, P.E.
WRC Engineer
951-782-4303
>>> Debi Ney 6/7/2012 12:22 PM >>>
Hi Kamron

This is one of those sites Bob asked me to check on. The Geo Tracker shows you as the project manager and the status as active. I've attached a 2007 addendum to workplan which seems to be the last document for this site.

Can you tell me the status and what you expect to happen so I can make a note to Bob?

thanks.

Debi

Santa Ana Region

Linda S. Adams
Secretary for
Environmental Protection

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 • FAX (951) 781-6288 • TDD (951) 782-3221
www.waterboards.ca.gov/santaana

Arnold Schwarzenegger
Governor

March 7, 2008

Mr. Christopher Robinson
Senior Associate Scientist
LFR
2815 Eastlake Avenue East, Suite 160
Seattle, Washington 98102

COMMENTS ON PROPOSED ADDENDUM TO REMOVAL ACTION WORK PLAN FOR POMA PROPERTY, 3010 11TH STREET, RIVERSIDE, CALIFORNIA

Dear Mr. Robinson:

We have reviewed the May 2007 "Removal Action Work Plan" and the October 3, 2007 addendum, for the Poma Property, located at 3010 11Th Street, Riverside, California. The addendum was provided, at our request, by EFI Global, on behalf of BRE properties, Inc.

The purpose of this letter is to authorize you to proceed with the installation of two additional groundwater monitoring wells, at the proposed locations on-site and off-site of the Poma property, at the above-referenced address. As requested by our staff, the wells proposed in the October 2007 addendum, will provide additional water quality data in order to determine the source of elevated concentrations of petroleum hydrocarbons that have been detected in two of the existing on-site groundwater monitoring wells. The two existing wells (EFI MW-1 and EFIMW-2) are located at the western and northwestern areas of the Poma property. The elevated petroleum hydrocarbon concentrations in these wells (up to 1,100 micrograms per liter (µg/l) detected in EFIMW-2) have been described in various technical reports as "unknown hydrocarbon" since the initial (2006) groundwater sampling event at the property, without any explanation of the source of the contamination.

The Poma property consists of approximately 0.37 acres of vacant land that was formerly used as a small petroleum distribution facility, with six aboveground storage tanks. The petroleum contamination in groundwater at the site may have resulted from spills of petroleum hydrocarbon products or waste to the ground surface, and seepage through the vadose zone to the underlying groundwater within the subject property.

The installation and sampling of the two proposed monitoring wells, one on Howard Avenue (upgradient) and the second on the southwest corner of the property (downgradient) is expected to provide the information needed to determine whether the source of the petroleum contamination is from the former Poma fuel distribution facility, or from an off-site, upgradient source.

California Regional Water Quality
Santa Ana Region

Linda S. Adams
Secretary for
Environmental Protection

3737 Main Street, Suite 500, Riverside, California 92501-3348
Phone (951) 782-4130 • FAX (951) 781-6288 • TDD (951) 782-3221
www.waterboards.ca.gov/santaana

Arnold Schwarzenegger
Governor

July 9, 2008

Mr. Bob Linder
Development Director
BRE Properties, Inc.
5141 California, Suite 250
Irvine, CA 92617

OVERSIGHT COST REIMBURSMENT FOR SITE CLEANUP PROGRAM (SCP) – POMA PROPERTY, 3010 11TH STREET, RIVERSIDE, CALIFORNIA

Dear Mr. Linder:

The California Water Code (Porter-Cologne), Section 13304, allows the Regional Board to recover reasonable expenses from a responsible party for overseeing cleanup of illegal discharges, contaminated properties, and other unregulated releases adversely affecting the State's waters. Recent investigations have found that petroleum hydrocarbons have been detected in soil and groundwater at the above-referenced location, which is currently vacant. BRE is planning to purchase this property for development.

The Poma property (Site) consists of approximately 0.37 acres of vacant land that was formerly used as a small petroleum distribution facility. Six aboveground storage tanks were present at this Site.

In May 2007, EFI Global (EFI) prepared a Removal Action Work Plan (RAW) for the Site. Soil impacted by petroleum hydrocarbons in two areas of the Site are proposed to be excavated and hauled away to an appropriate treatment site. Petroleum hydrocarbons are present in groundwater at the Site, and may have resulted from spills of petroleum hydrocarbon products or waste to the ground surface, and seepage through the vadose zone to the underlying groundwater within the Site.

The Site is located within the Riverside-E Groundwater Management Zone (GMZ). The beneficial uses of the groundwater within the Riverside-E GMZ include Municipal and Domestic Supply, Industrial Service Supply, and Industrial Process Supply.

Based on the information obtained from earlier investigations which are referenced in the RAW, it appears that discharges at the Site have impacted, or threaten to impact one or more of the beneficial uses of the GMZ. Further, the extent of petroleum hydrocarbons in the soil and groundwater at the Site has not been completely characterized. Additional subsurface investigation may be necessary, in order to determine the full extent of the petroleum hydrocarbons in the subsurface and to

December 17, 2002

Kamron Saremi, P.E.
California Regional Water Quality
Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3339

Subject: Work Plan For Additional Follow-on Subsurface Investigations At 3010 11th Street, Riverside, California

Dear Mr. Saremi:

BACKGROUND

The subject property located at 3010 11th Street, Riverside, CA was used in the past for bulk storage (in above-ground tanks) of various petroleum hydrocarbon products including gasoline, diesel fuel, kerosene, solvents, motor oil, and transmission fluid. All tanks and associated piping and structures have been removed from the site; the property is currently vacant.

Various subsurface investigations, primarily involving borings, were conducted at the site in the time period from 1990 through 1997. The final set of five borings was converted to vapor extraction wells in 1997. Active vapor extraction was initiated in July 1999 and continued through September/October 2000. The company that was operating the extraction unit went out of business at approximately this time, thus, the process was terminated as of October 2000. The wells, piping, and extraction/treatment unit currently remain onsite.

As a first step in reactivating the cleanup process, three borings (one of which was extended to groundwater) were placed in the area occupied by the former above-ground tanks (which is also the area within which active vapor extraction occurred) in order to determine the current environmental condition of both the vadose zone and the underlying groundwater. The upper ten feet of each boring was hand augered on May 24, 2002; a hollow stem auger drill rig was used to complete each of the borings on June 11, 2002. Boring locations (B-1, B-2, and B-3) are shown on Figure 1 - Site Plan.

A summary document for the above boring activity (**"Report on Follow-On Boring Investigations at 3010 11th Street, Riverside, California", Kendall/Adams, Inc. Report dated August 2002**) was completed and submitted to the Santa Ana Regional Water Quality Control Board (SARWQCB). Key findings from this activity included:

417 West Allen Avenue, Suite 106 • San Dimas, CA 91773 • (909) 592-4736 FAX (909) 592-0576

a) There is significant near-surface (down to approximately 10 feet) gasoline and diesel fuel contamination in the vicinity of Boring B-3 (see Figure 1). This boring is near the location of the former pump house.

b) There is a layer of relatively high gasoline contamination (particularly in the vicinity of Boring B-3 but perhaps throughout much of the area where the above-ground tank operation was previously located) that begins at a depth of 20 + feet and extends to a likely maximum depth of 40 + feet. Below a depth of 40 + feet, gasoline concentrations are minimal.

c) MTBE was detected in the groundwater at a concentration of 21 ppb.

Subsequent discussions with SARWQCB personnel regarding various remediation options for the vadose zone indicated a need to better define both the near-surface and deep contaminated layers. The purpose of this work plan is two-fold. First, a method for delineating the near-surface and deep contaminated layers in the former above-ground tank area is proposed.

Second, a series of hand-augered borings (T-1 through T-7 located in the upper right-hand corner of Figure 1) is proposed to address prior findings of potential near-surface diesel/oil (and possibly lead) contaminants in this area. The investigation in this portion of the site was previously described in the work plan for the three borings noted above, however, conduct of the investigation was postponed until the boring results were obtained.

DELINEATION OF NEAR-SURFACE AND DEEP CONTAMINATED ZONES IN THE FORMER ABOVE-GROUND TANK AREA

General Description

A series of nine borings, utilizing a combination of hand augering and a Direct-push Geoprobe rig, is proposed for this area. Maximum depth of the borings is expected to be on the order of 45 feet. Approximate boring locations are indicated on Figure 1. The upper ten feet of each proposed boring will be hand augered in order to verify that underground utilities and/or vapor extraction piping will not be encountered during subsequent Geoprobe use. It is anticipated that the hand augering phase will be conducted several days prior to initiation of the Geoprobe activity.

The hand augering activity will also be used to aid in the definition of the extent of the near-surface contaminated zone. Thus, based on visual and odor observations during this phase, the actual number of borings may differ from the proposed number. During the Geoprobe activity, an onsite mobile laboratory will be used. Depending on the laboratory results obtained during this phase, the final number of borings may again differ from the proposed number. In addition, the maximum depth may differ from the planned value of 45 feet.

There are no drill cuttings generated by the Geoprobe, however, the small diameter hole created by this procedure will be backfilled with a bentonite slurry.

Laboratory Testing - Hand Augered Samples

Laboratory testing of the hand augered samples will be conducted in two or more phases. Based on the laboratory results of samples taken from the three prior borings (May/June 2002), in the initial phase selected samples will be analyzed only for a) gasoline using EPA Method 8015M (gasoline), b) diesel fuel using EPA Method 8015M (diesel), c) Total Recoverable Petroleum Hydrocarbons using EPA Method 418.1 and d) total lead.

The samples not tested in the initial phase will be held at the laboratory in chilled storage until the initial results are available. At that time, additional tests may be conducted, as appropriate, in order to close any data gaps. Maximum holding times will be observed during this process. All analyses will be in accordance with SARWQCB testing criteria. Proposed Detection Limits for the soil analyses are the same as given in the initial work plan for follow-on subsurface investigations dated April 2002.

Laboratory Testing - Geoprobe Samples

Laboratory testing of Geoprobe samples will follow the same procedure as described above for hand augered samples except that analyses will consist only of a) gasoline using EPA Method 8015M (gasoline), b) diesel fuel using EPA Method 8015M (diesel), and c) total lead. Total lead analyses will likely have to be conducted at the home laboratory, i.e., not by the onsite mobile laboratory.

DELINEATION OF NEAR-SURFACE CONTAMINATION IN THE AREA CONTAINING BORINGS T-1 THROUGH T-7

In the initial work plan for follow-on subsurface investigations (dated April 2002) it was proposed that near-surface sampling in this portion of the site would be conducted by digging a series of shallow trenches with a backhoe. However, due to the somewhat disruptive nature of trenching and accessability considerations for some sampling locations, it is now proposed that this investigation be conducted by hand augering.

Seven hand augered borings (T-1 through T-7) are planned; the maximum depth is estimated to be approximately 10 feet. Undisturbed soil samples will be taken at depths of one foot, three feet, five feet, and ten feet bgs. The procedures followed for sample collection in this area will be identical to those described above for the hand augered borings in the former above-ground tank area. It is noted that field observations during the hand augering activity could result in more (or fewer) borings with maximum depths different than 10 feet. (A mobile laboratory will not be used for this phase of the investigation.)

Laboratory Testing

Laboratory testing will be conducted in two or more phases. Based on laboratory results from prior analyses (circa 1996), in the initial phase selected samples will be analyzed for a) gasoline, BTEX, and MTBE using EPA Methods 8015M (gasoline) and 8021B, b) diesel fuel using EPA Method 8015M (diesel), c) volatile organic compounds using EPA Method 8260B, d) Total Recoverable Petroleum Hydrocarbons using EPA Method 418.1 and e) Title 22 metals. (It is noted that to preclude redundant analyses, Method 8021B will not be used for samples that are tested using Method 8260B.)

The samples not tested in the initial phase will be held at the laboratory in chilled storage until the initial results are available. At that time, additional tests may be conducted, as appropriate, in order to close any data gaps. Maximum holding times will be observed during this process. All analyses will be in accordance with SARWQCB testing criteria. As noted above, proposed Detection Limits for the soil analyses are the same as given in the initial work plan for follow-on subsurface investigations dated April 2002.

SCHEDULING

The work described herein can be scheduled to begin within less than one week following receipt of approval of this Work Plan. The SARWQCB will be notified a minimum of five working days prior to initiation of subsurface investigations at the subject site.

CONDUCT OF THE WORK

The work described herein will be conducted by or under the direct supervision of a California Registered Civil Engineer or a California Certified Engineering Geologist.

REPORTING

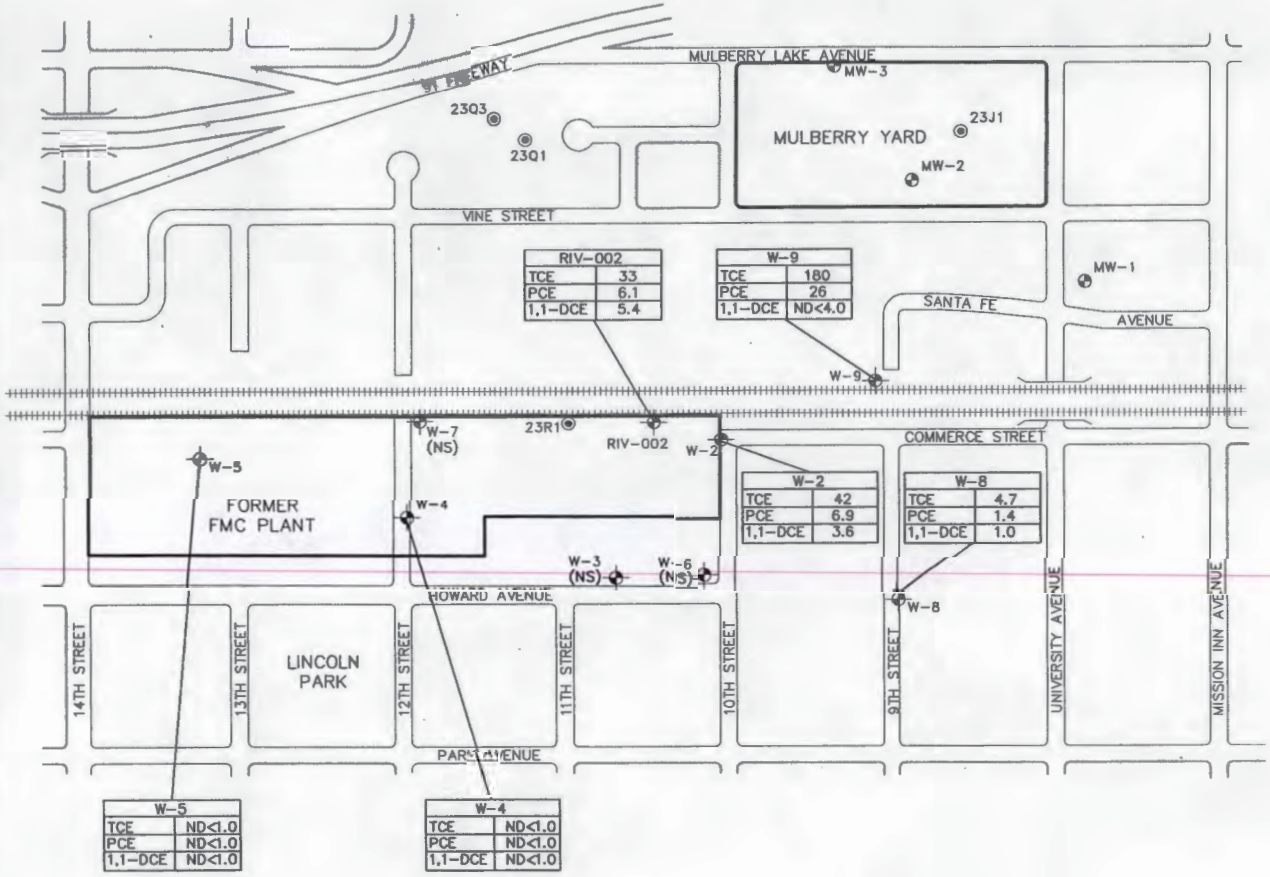
Upon completion of all field work and receipt of laboratory test findings, a summary report will be prepared documenting the work performed, with an assessment of petroleum hydrocarbons in the subsurface. Logs of selected soil borings, along with a full copy of the laboratory analytical test reports, including laboratory QA/QC data, will be appended. The report will be submitted to the SARWQCB.

If there are questions regarding the above, please call Larry Adams or me at any time.

Sincerely,

Ken Wicks

Ken Wicks
Project Engineer



RIV-002	
TCE	33
PCE	6.1
1,1-DCE	5.4

W-9	
TCE	180
PCE	26
1,1-DCE	ND<4.0

W-2	
TCE	42
PCE	6.9
1,1-DCE	3.6

W-8	
TCE	4.7
PCE	1.4
1,1-DCE	1.0

W-5	
TCE	ND<1.0
PCE	ND<1.0
1,1-DCE	ND<1.0

W-4	
TCE	ND<1.0
PCE	ND<1.0
1,1-DCE	ND<1.0

LEGEND:

W-2 — MONITORING WELL (FMC)

MW-1 — MONITORING WELL (CITY OF RIVERSIDE)

23J1 — PRODUCTION WELL
- 23J1 – MULBERRY STREET WELL
- 23Q1 – 11TH STREET WELL
- 23Q3 – FREEWAY WELL
- 23R1 – FILL WELL

RAILROAD TRACKS

(NS) NOT SAMPLED; UNABLE TO LOCATE WELL

ND<1.0 NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT

TCE TRICHLOROETHENE

PCE TETRACHLOROETHENE

1,1-DCE 1,1-DICHLOROETHENE

ALL CONCENTRATIONS IN MICROGRAMS PER LITER.

0 300' 600'
GRAPHIC SCALE

NOTE:

1. BASE MAP IS FROM A DRAWING "GROUND-WATER ELEVATION, MARCH, 1994 DATA, RIVERSIDE, CALIFORNIA. DATED APRIL 1994, AT A SCALE OF 1"=350'.

FORMER FMC FACILITY
RIVERSIDE, CALIFORNIA
GROUNDWATER MONITORING REPORT

TCE, PCE, AND 1,1-DCE
CONCENTRATIONS IN GROUNDWATER
JUNE 8, 2005

RBC

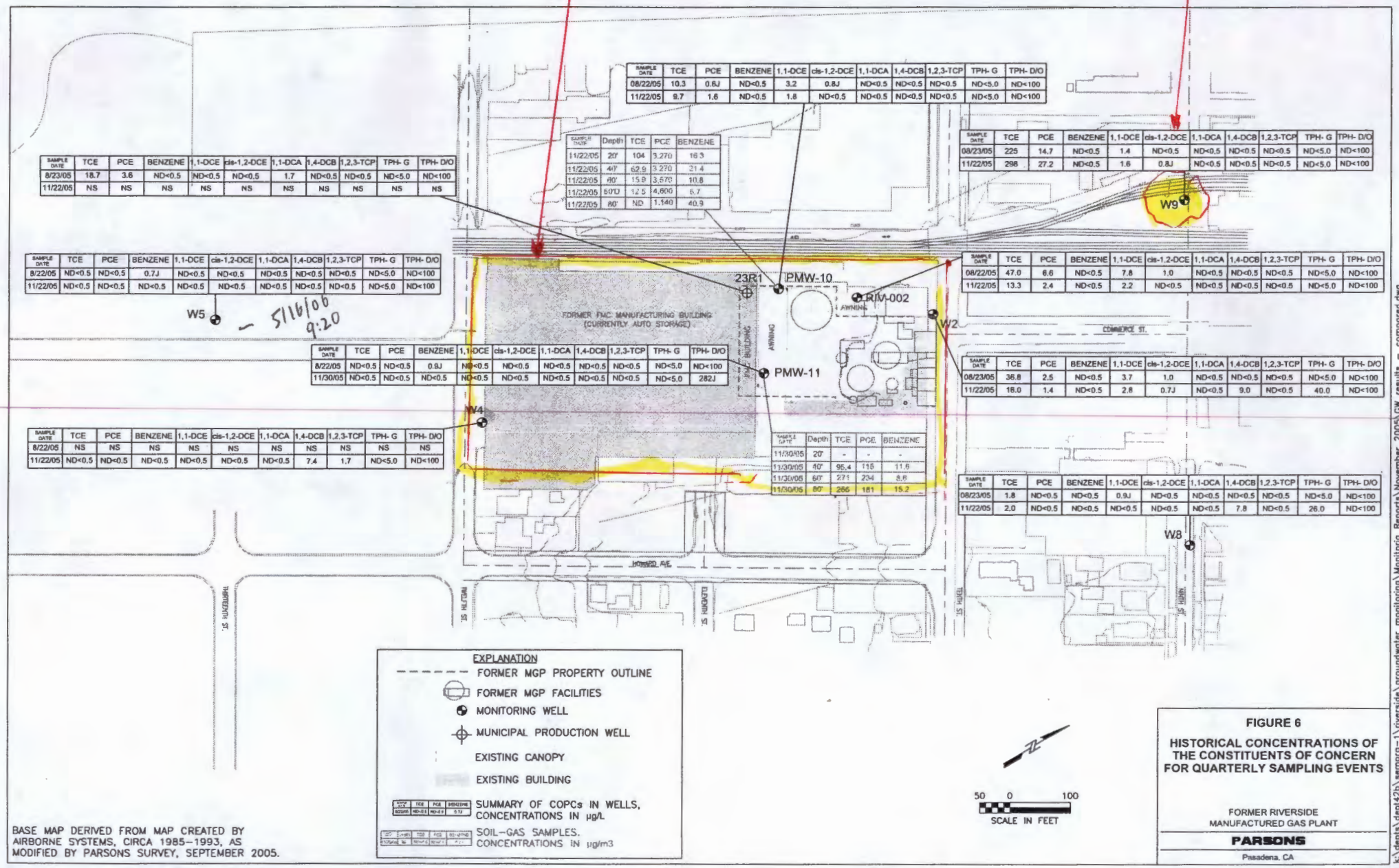
FIGURE
3

L: ONWREF
P: PAGESET/PLT-BL1
7/5/05 RIV-85-JNS
F:/EM/CAD/2005PROJ/37688.001/37688C01.DWG

Former FMC Site.

upgradient MW

W9



SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/23/05	18.7	3.6	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	ND<0.5	ND<0.5	0.7J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

W5 – 5/16/06 9:20

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/30/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	282J

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
8/22/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/22/05	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.4	1.7	ND<5.0	ND<100

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/22/05	20'	104	3,270	16.3
11/22/05	40'	62.9	3,270	21.4
11/22/05	60'	15.9	3,670	10.8
11/22/05	80'D	12.5	4,600	6.7
11/22/05	80'	ND	1,140	40.9

SAMPLE DATE	Depth	TCE	PCE	BENZENE
11/30/05	20'	-	-	-
11/30/05	40'	95.4	116	11.6
11/30/05	60'	271	234	8.6
11/30/05	80'	266	181	15.2

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	10.3	0.6J	ND<0.5	3.2	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	9.7	1.6	ND<0.5	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/22/05	47.0	6.6	ND<0.5	7.8	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	13.3	2.4	ND<0.5	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	225	14.7	ND<0.5	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	298	27.2	ND<0.5	1.6	0.8J	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	36.8	2.5	ND<0.5	3.7	1.0	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	16.0	1.4	ND<0.5	2.8	0.7J	ND<0.5	9.0	ND<0.5	40.0	ND<100

SAMPLE DATE	TCE	PCE	BENZENE	1,1-DCE	cis-1,2-DCE	1,1-DCA	1,4-DCB	1,2,3-TCP	TPH- G	TPH- D/O
08/23/05	1.8	ND<0.5	ND<0.5	0.9J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<100
11/22/05	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.8	ND<0.5	26.0	ND<100

BASE MAP DERIVED FROM MAP CREATED BY AIRBORNE SYSTEMS, CIRCA 1985–1993, AS MODIFIED BY PARSONS SURVEY, SEPTEMBER 2005.

FIGURE 6

HISTORICAL CONCENTRATIONS OF THE CONSTITUENTS OF CONCERN FOR QUARTERLY SAMPLING EVENTS

FORMER RIVERSIDE MANUFACTURED GAS PLANT

PARSONS

Pasadena, CA

k:\depts\dept42b\sempra-1\riverside\groundwater monitoring\Monitorig Reports\November 2005\GW results – compared.dwg

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Santa Ana Regional Water Quality Control Board

March 27, 2017

Mr. Shaun Tan
Mad Atom LLC
11127 Dora Street
Sun Valley, CA 91352
shaun@prisomaerospace.com

POTENTIAL FOR ENVIRONMENTAL LIABILITY CONCERNING PROPERTIES OVERLYING DOWNTOWN RIVERSIDE CONTAMINANT PLUME, SITE CLEANUP PROGRAM DESIGNATIONS SLT8R0373922 [DOWNTOWN RIVERSIDE/RIVERSIDE PLUME & GT ID# SLT8R0333918 (FMC CORPORATION)]

Dear Mr. Tan:

This is in response to your January 26, 2017 communication with Kamron Saremi of our staff, requesting our general policies and approach for establishing liability for owners of the subject site (the Property), which consists of several improved tracts of land totaling approximately 7.15 acres, in the City of Riverside, Riverside County, California. Its Assessor Parcel Numbers are 211-201-004, 005, 006, 007, 008, 026, 037, 038 and 039. The attached maps depict the location of the Property (Attachments 1 and 2).

The Property overlies a volatile organic compounds (VOCs) and nitrate groundwater contaminant plume commonly known as the Downtown Riverside/Riverside Plume. In the early 1980s, VOCs were detected in several emergency supply wells owned and operated by the City of Riverside in proximity to the Property. Several investigations, including soil and groundwater studies, were conducted at the Property in the early 1990s by the then-owner, FMC Corporation, in order to determine the probable source of the VOCs found in groundwater in the immediate area. The available technical data obtained from the investigations did not provide sufficient information to consider the FMC Corporation as the primary responsible party for the VOC-impacted wells. No responsible party has been identified, and the Santa Ana Regional Water Board currently has no ability to obtain investigation and cleanup of the groundwater contaminant plume; therefore, the FMC case has been reclassified as "open-inactive" in the State Water Resources Control Board's GeoTracker database.

The Property was used for gas production and distribution by Riverside Manufactured Gas Plant (MGP), Edison Electric Company, Southern California Edison Company and The Gas Company, from 1887 to 1911. From 1911 to 1959, a section of the subject site was used by The Gas Company as a natural gas storage facility. In the 1930s, Riverside Foundry and Machine Works operated a foundry at the south section of the Property. FMC bought the majority of the Property, and handled waste oil and solvents until the early 1980s. During FMC ownership, operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft. Since the mid-1980s, portions of the Property were owned and operated by both the Royal and Wolverine Western corporations. The

Wolverine Western Corporation was a manufacturer of fruit packaging machinery and associated parts. Royal Corporation operated a citrus packinghouse.

Between July 2010 and February 2011, extensive soil excavation and removal in the former gas plant and gas storage areas at the Property was conducted by The Gas Company's environmental consultant. The excavation depths for the remediation at the Property varied between 2 feet below ground surface (bgs) in shallow impacted areas and 52 feet bgs in the deep total recoverable petroleum hydrocarbons (TRPH) impacted area. The total quantity of soil removed during the remediation was approximately 45,042 tons of non-hazardous TRPH-impacted soils. Approximately 26 tons of non-hazardous[1] lead-impacted soils and 131 tons of non-hazardous tar-impacted soils were disposed of at a class II waste management facility.

Based on the completion of soil excavation and the results of the post-remediation monitoring, Regional Water Board staff believes that, in the event that the Property is redeveloped in the future for residential purposes, some form of vapor mitigation measures (such as a sub-surface vapor barrier system) would be necessary to address chlorinated VOCs in soil gas (i.e. PCE and TCE) that are not attributable to MGP, due to potential cancer risks associated with the vapor intrusion pathway. Regional Water Board staff does not believe that additional restrictions with regard to potential exposure via the vapor intrusion pathway would be necessary for either current or future commercial/industrial use of the Property.

According to the City of Riverside Water Operations staff, two of the supply wells owned by the City in the proximity of the former FMC Corporation are used for irrigation supply via discharge to the Riverside Irrigation Canal. These wells have historically been used for irrigation purposes in the past 20 years.

It has been the practice of the Regional Water Board to identify owners and operators of properties who either caused or contributed to the associated contamination as the parties responsible for assessment, monitoring and cleanup of such properties. Although the Regional Water Board has statutory authority to do so, as a matter of general policy, the Regional Water Board does not typically pursue site mitigation enforcement against owners and/or operators of a particular site if:

- They do not exacerbate or contribute to the existing pollution;
- Their operations at the site will not result in health risks to persons on the site;
- They are not responsible for, or affiliated with any party who is identified as responsible for, creating or allowing the existing contamination;
- They cooperate with ongoing cleanup efforts by allowing all necessary site access;
- They take all reasonable steps to prevent unauthorized disposal on the site; and
- There are other viable responsible parties who are willing and able to conduct any necessary remediation.

[1] The definition and requirements for management of hazardous and non-hazardous wastes are specified in the Resource Conservation and Recovery Act (RCRA), Title 40 of the Code of Federal Regulations (CFR), parts 239 through 282

Additionally, we recommend that subsequent property owners and/or operators avoid the use of any substances of concern at the site in the future, in order to ensure that no questions arise regarding the contribution to, or exacerbation of, the existing condition.

Accordingly, based on the available information related to the Property, the Regional Water Board would generally not order the current or future owners of the Property as parties responsible for remediating the contamination that exists on and under the Property. The Regional Water Board does expect full cooperation by the former, current and any prospective owners of the Property in the form of reasonable site access to conduct any necessary testing, monitoring or cleanup by the parties responsible for the soil and groundwater contamination beneath the Property.

The determination that Mad Atom LLC and its prospective buyers, tenants or subtenants of the Property will not, at this time, be held responsible for the investigation and cleanup of the Property is based on the information and data currently available to the Regional Water Board. In the event that new information is received that supports another conclusion, this determination is subject to change.

If you have any questions, please feel free to contact me.

Sincerely,

Kurt V. Berchtold
Executive Officer

Enclosures:

1. MLM Properties, LLC
2. Parcels I through 10 with Color Legend.

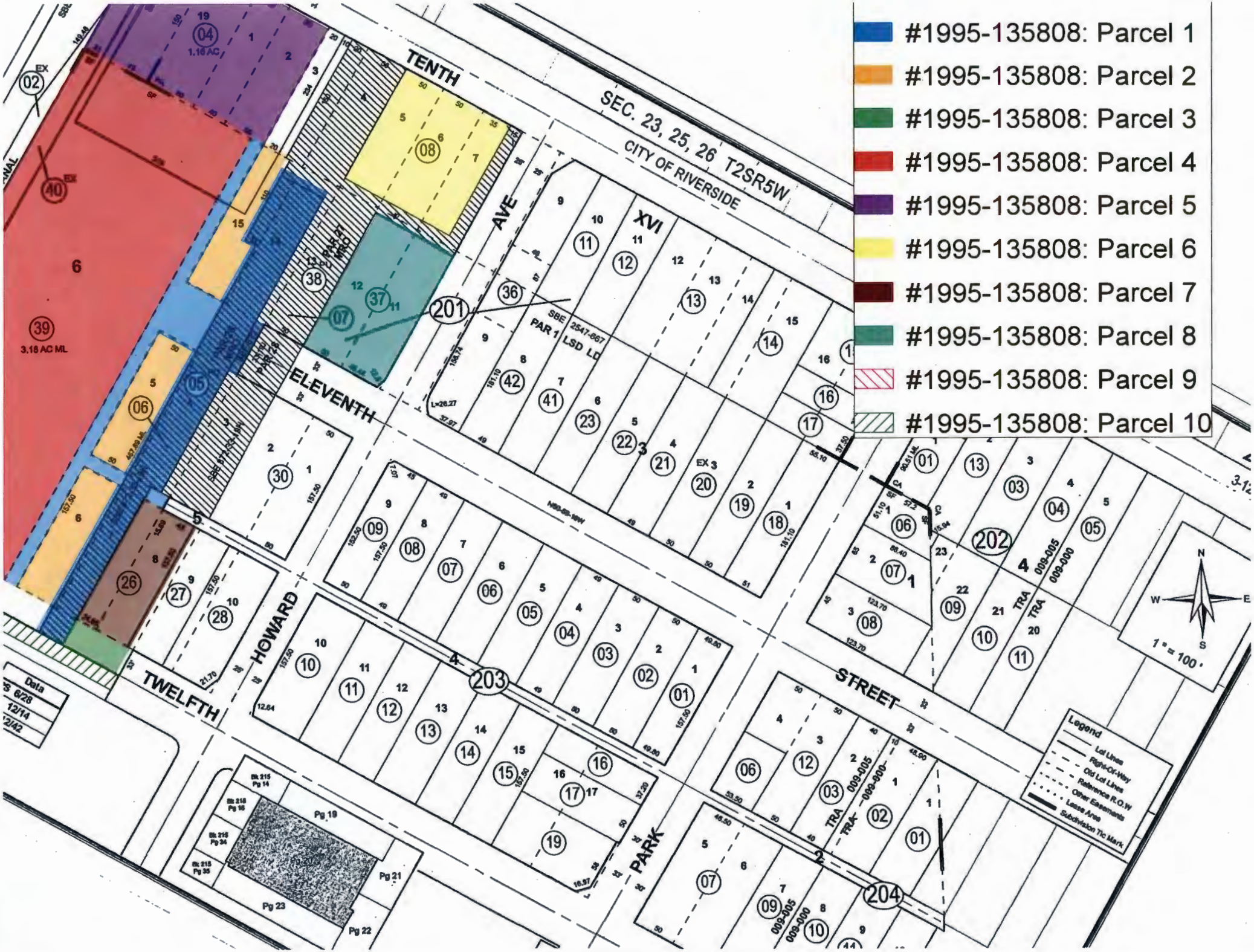
cc: Hani Gabriel, Gabriel Environmental Group (hgabriel@gabrielenv.com)
Gregory Herzog, Riverside Public Utilities, Water Resources & Planning (Gherzog@riversideca.gov)

KS: former FMCCorporationComfortLetterMarch27.2017

MLM PROPERTIES, LLC

SYMBOL	APN#	ACRES
A	211-201-004	1.16
B	211-201-006	.62
C	211-201-007	.83
D	211-201-008	.44
E	211-201-037	.29
F	211-201-039	3.18
G	211-201-026	.5
		±7.02 Acres

	SYMBOL	APN#	ACRES
NAP	X-27	211-201-027	.16
	X-28	211-201-028	.21
	X-30	211-201-030	.36
			.73 Acres


#1995-135808: Parcel 1
#1995-135808: Parcel 2
#1995-135808: Parcel 3
#1995-135808: Parcel 4
#1995-135808: Parcel 5
#1995-135808: Parcel 6
#1995-135808: Parcel 7
#1995-135808: Parcel 8
#1995-135808: Parcel 9
#1995-135808: Parcel 10
SEC. 23, 25, 26 T2SR5W
CITY OF RIVERSIDE
TENTH
ELEVENTH
TWELFTH
HOWARD
AVE
XVI
STREET
PARK
Legend
Lot Lines
Right-Of-Way
Old Lot Lines
Reference R.O.W
Other Easements
Lease Area
Subdivision Tic Mark
1" = 100'

782-5801

CITY OF Riverside FIRE DEPARTMENT • 3601 Ninth Street • Riverside, California 92501 • 909/782-5321

NOTICE OF
FIRE/LIFE SAFETY VIOLATION(S)

RECEIVED
JUL 30 1993
CITY OF RIVERSIDE
FIRE DEPARTMENT

Initial Inspection and One Reinspection - No Charge
Second & Subsequent Reinspection-$150.00 each

Date: June 28-1993

DBA: Poma Automated Fueling Phone: (909) 686 1783 Occp. #:

Address: 3020 E. La Cadena 3010 11th Street Riverside Zip: 92507

Owner/Mgr: Margret Grider Phone: (909) 686-1783 DL #: N4114858

DATE CORRECTED	VIOLATIONS
	ok Repair Diesel Gas Pumps # 3+4 Do not ~~Re~~ ~~use~~ ~~p~~ Remove Red Tag until Oked By Fire Dept
ok 7-29-93	~~ok~~ Properly Remove contaminated Absorbent and show proof that disposal was done by properly Licensed person
	ok Replenish 33 gallon metal trash Can Absorbent in EO. 105(c) Dept Recommends min 25 # Absorbent
	Spoke to Ms. Grider By Phone Re: disposal Procedure they Place contaminated Absorbent in a Metal Container with Lid until full then have it picked up by a Licensed waste disposal Service W. Braun

A reinspection will be made on or after ASAP. Failure to correct violations may result in legal actions and charges for additional reinspection(s).

Inspector: W. Braun

Notice Received by: Margaret J. Grider Date:

REINSPECTIONS:

1st	-	Date:		Inspector:		Contacted:	
2nd	-	Date:		Inspector:		Contacted:	
3rd	-	Date:		Inspector:		Contacted:	
4th	-	Date:		Inspector:		Contacted:	

213.051R 7

OES 31563

E834 E836 T831

#F0932 1/HAZMAT F1/221 /04B1 **
3020 E LA CADENA DR ,RV
low xst: 1ST ST
POMA DISTRIBUTING CO
2674008,MANTZ, MICHAEL,CARPHONE

/0658 ENTRY DIELSEL FUEL LEAK,,,,,,,,,LEAKED APROX 30 GALLONS SO FAR,,,,,,LEAKI
NG TWD S THE STREET, NOT TO THE GUTTER YET,,,,,,BUSN
#6861783,,,,RP WILL FLAG
/0658 PISEEN
/0658 DISPER E836 #F077 HUTCHINSON, WAYNE #F127 PEURIFOY, DAVID #F046
DERENZO, DANIEL
/0658 ASSTER E834 #F028 CAMPOS, DAVID #F001 ALEXANDER, JOHN #F072 HOLD
ER, ARNOLD #F291 HEARN, LAWAYNE
/0658 ASSTER T831 #F124 PERCIVAL, RICHARD #F100 LUNA, CHARLES #F032 CH
OSTNER, CHARLES

AIR POLLUTION CONTROL DISTRICT

5888 MISSION BOULEVARD
RIVERSIDE, CALIFORNIA 92509
787-2416

J. A. STUART
Air Pollution Control Officer

November 20, 1975

FILE
CAMPBELL OIL
3010 11TH ST

Elmer J. Wood, Inc.
2570 Third Street
Riverside, California 92507

Attention: Mr. Elmer J. Wood

Gentlemen:

This will acknowledge receipt of your drawing entitled "Vapor Recovery System for Elmer J. Wood, Inc." dated October 6, 1975 which shows a Vapor Balance System for aboveground gasoline storage tanks. ?

We would like to have a condensate trap installed in the 3" vapor return line.

This letter is your authorization to install Vapor Recovery Systems in Riverside County using the above plan provided it is modified to include a Vapor Return Line condensate trap.

Please contact the local Fire Department for a piping inspection prior to completion of construction; or if the tanks are located in an unincorporated area, please contact the Riverside County Department of Weights and Measures.

Please contact this office after equipment is installed and operating properly so that we can conduct a final inspection.

Very truly yours,

Warren K. Stobaugh

Warren K. Stobaugh
Chief Engineer

WKS:WOD:fa

cc: All City and County Inspection Units.

DIVISION OF FIRE PREVENTION RIVERSIDE FIRE DEPARTMENT

INSPECTION AND INFORMATION LOG

Date 2-20-62 Time p.m. Inspector W. S. Boddy, Jr.

Occupancy Campbell Oil Co Office

Address 3010 - 11th Street

Discussed with ______ Title ______

Recommendations to ______

Copies to: ______

* *

In response to request for conference about permissibility to locate a fire place in the office of this establishment the writer contacted the bookkeeper for the firm.

It was explained that Mr. Campbell proposes to order a wood burning portable space heater which is referred to by its manufacturer as a UNI-fire Place. The device is provided with a vent pipe and has an enclosed fire box of metal construction. Thickness of the metal was not specified nor was information about UL or other approval included.

The bookkeeper was told that there is no problem with the proposed location of the heater in the office and if ~~the~~ it has proper approvals there is no problem with the heater itself. If not approved--there might be some question. The writer agreed to check this possibility and inform them if such is the case.

(FD 102)

DIVISION OF FIRE PREVENTION　　　　RIVERSIDE FIRE DEPARTMENT

INSPECTION AND INFORMATION LOG

DATE 8-14-63　TIME ______　INSPECTOR C. W. Brague

OCCUPANCY Campbell Oil Company

ADDRESS 3010 11th Street

DISCUSSED WITH Scotty Campbell　TITLE Owner

RECOMMENDATIONS TO: ______

COPIES TO: ______

* *

Two large tanks have recently been installed on the grounds of the Campbell Oil Company, 3010 11th Street. On questioning Scotty Campbell, owner, he stated the tanks were for lube oil only.

NOTE: Products such as lube oil are not controlled by Article 15 of the UFC, therefore, no permit is necessary nor is the table of distances applicable.

(FD 102)

CITY OF Riverside FIRE DEPARTMENT • 3420 Seventh Street • Riverside, California 92501 • 714/787-7321

FRED C. WOODARD
Fire Chief

E. RAYMOND FORTNER
Ass't. Fire Chief

PAUL G. GUZZETTA
Fire Marshal

PERMIT
TO INSTALL TANKS, PIPING, AND APPURTENANCES FOR THE STORAGE OF FLAMMABLE LIQUIDS AND LIQUIFIED PETROLEUM GASES

Location 3010 Eleventh Street, Riverside, California

Name Campbell Oil Company Date 7/27/77

Permission is granted to:

- [X] Install
- [X] Aboveground
- [ ] Tank
- [ ] Alter
- [ ] Underground
- [ ] Pump
- [ ] Remove
- [ ] Dispensor
- [X] Piping VAPOR RECOVERY

To be installed by:

Name Elmer J. Wood, Inc. Phone 683-6930

Address 2570 Third Street, Riverside, California

Description of tanks or vessels:

1 Tank(s) of 20,000 Gals. ____ Tank(s) of ____ Gals.

____ Tank(s) of ____ Gals. ____ Tank(s) of ____ Gals.

For the storage of:

- [X] Gasoline
- [ ] Oil
- [ ] Waste
- [ ] LPG
- [ ] Thinners
- [ ] Natural Gas
- [ ] Other ____

To be used in connection with:

- [ ] Service Station
- [X] Bulk Plant
- [ ] Agriculture
- [ ] Industrial
- [ ] Commercial

INSPECTION:
DATE OK'D
Tanks ____ By ____
Product Piping ____ By ____
Vent Piping ____ By ____
Fill Pipe ____ By ____
VAPOR RECOVERY 12977

R BOSTEAD
~~F. C. WOODARD~~, CHIEF
RIVERSIDE FIRE DEPARTMENT

By: ____

213-2-R3

CITY OF Riverside FIRE DEPARTMENT • 3420 Seventh Street • Riverside, California 92501 • 714/787-7321

FRED C. WOODARD
Fire Chief

E. RAYMOND FORTNER
Ass't. Fire Chief

PAUL G. GUZZETTA
Fire Marshal

PERMIT
TO INSTALL TANKS, PIPING, AND APPURTENANCES FOR THE STORAGE OF FLAMMABLE LIQUIDS AND LIQUIFIED PETROLEUM GASES

Location 3010 11TH STREET RIVERSIDE

Name GLEN Campbell Date 4-6-76

Permission is granted to:

- [x] Install
- [x] Aboveground
- [ ] Tank
- [ ] Alter
- [ ] Underground
- [ ] Pump
- [ ] Remove
- [ ] Dispensor
- [x] Piping VAPOR RECOVERY

To be installed by:

Name CRAIG R SMITH & ASSOC. Phone 792-4912

Address 555 Cajon REDLANDS CA.

Description of tanks or vessels:

2 Tank(s) of 30,000 Gals. ____ Tank(s) of ____ Gals.

____ Tank(s) of ____ Gals. ____ Tank(s) of ____ Gals.

For the storage of:

- [x] Gasoline
- [ ] Oil
- [ ] Waste
- [ ] LPG
- [ ] Thinners
- [ ] Natural Gas
- [ ] Other VAPOR Recovery

To be used in connection with:

- [ ] Service Station
- [x] Bulk Plant
- [ ] Agriculture
- [ ] Industrial
- [ ] Commercial

INSPECTION:
DATE OK'D
Tanks ____ By ____
Product Piping ____ By ____
Vent Piping ____ By ____
Fill Pipe ____ By ____
VAPOR RECOVERY 4-6-76 [signature]

F. C. WOODARD, CHIEF
RIVERSIDE FIRE DEPARTMENT

By: [signature]

213-2-R3

97-P0111

CITY OF Riverside FIRE DEPARTMENT · 3601 Ninth Street · Riverside, California 92501 · 714/782-5321

PERMIT

Date Issued 8/22/97

Expiration Date 9/26/97

As per the provisions of the Uniform Fire Code of the City of Riverside, permission is granted:

Name West-Tech Contracting & Brett Riggs

Address 3010 11TH Street (Job Site) 5670 El Camino Real Ste B Carlsbad, CA 92008

Having made application in due form, and as conditions, surroundings, and arrangements are, in my opinion, such that the intent of the regulations can be observed, authority is hereby given for:

Removal of two (2) 20,000 Gasoline Tanks & (2) 30,000 Diesal Fuel Tanks located @ 3010 11TH Street Pomo Distributing (corner of 11TH & Howard)

Special Conditions:

CALL F.D. for requirements prior to inspection. Contact Inspector Forst @ 782-5324 for inspection time & details

This permit is issued and accepted on condition that all provisions of the Uniform Fire Code of the City of Riverside as now adopted shall be complied with. Any violations of these provisions may be grounds for revocation of this permit. This permit does not take the place of any license required by law and is not transferable.

$100.00

Send to John Prendes for file
Brett 619-431-8303

By: [signature]
Division of Fire Prevention

THIS PERMIT MUST AT ALL TIMES BE POSTED ON THE PREMISES MENTIONED ABOVE.

213-52R1

Site Identification

Atco Rubber Products, Inc.
3080 12th Street
Riverside, CA 92507
County
Riverside

CERS ID
10117519
EPA ID Number

Submittal Status

Submitted on 2/9/2010 by *Amanda Noriega* of Atco Rubber Products, Inc. (Fort Worth, Texas)
Submittal was ***Not Applicable***; Processed on 2/21/2013 by *Kevin Yang* for Riverside County Department of Environmental Health

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	No

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	No

Hazardous Waste

Is your facility a Hazardous Waste Generator?	No
Does your facility treat hazardous waste on-site?	No
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	No
Does your facility consolidate hazardous waste generated at a remote site?	No
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	No
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	No
Is your facility a Household Hazardous Waste (HHW) Collection site?	No

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	No
Does your facility own or operate ASTs above these thresholds? Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.	No
Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	No

Additional Information

Facility/Site

Atco Rubber Products, Inc.
3080 12th Street
Riverside, CA 92507

CERS ID
10117519

Submittal Status

Submitted on 2/9/2010 by *Amanda Noriega* of Atco Rubber Products, Inc. (Fort Worth, Texas)
Submittal was ***Not Applicable***; Processed on 2/21/2013 by *Kevin Yang* for Riverside County Department of Environmental Health

Identification

Operator Phone	Business Phone	Business Fax	Beginning Date	Ending Date	
	(951) 788-4345	(951) 788-4716	1/1/2009	12/31/2009	
			Dun & Bradstreet	SIC Code	Primary NAICS
			006022271		

Facility/Site Mailing Address

Primary Emergency Contact

Larry Cox
Title
Vice President of Operations

Business Phone	24-Hour Phone	Pager Number
(817) 595-2894	(817) 253-9112	

Owner

Atco Rubber Products, Inc.
(817) 595-2894

Fort Worth, TX 76118

Secondary Emergency Contact

Title

Business Phone	24-Hour Phone	Pager Number

Billing Contact

,

Environmental Contact

Steve Barnes
(817) 595-2894 sbarnes@atcoflex.com
7101 Atco Dr.
Fort Worth, TX 76118

Name of Signer	Signer Title	Document Preparer
Paul Evans	Vice President of Planning and Informati	Amanda Noriega

Additional Information

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Phone

Mailing Address

,

Assessor Parcel Number (APN)

Number of Employees
0

Facility ID

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Atco Rubber Products, Inc.**
Facility Name **Atco Rubber Products, Inc.**
3080 12th Street, Riverside 92507

Chemical Location
Atco Riverside

CERS ID **10117519**
Facility ID
Status **Submitted** on 2/9/2010 8:40 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	Fibrous Glass Wool	**Pounds**	**100758**	**594**	80606		- Acute Health	Fiberglass Wool	91 %	✓	65997-17-3
	CAS No ✓EHS	State: Solid	Storage Container: Other		Pressue: Ambient	Waste Code	- Chronic health	Urea, polymer of phenol & formaldehyde	10 %	✓	25104-55-6
		Type: Mixture	Days on Site: 365		Temperature: Ambient			Formaldehyde	0 %	✓	50-00-0

Office Use Only
Level_____
Initials_____
Date Reviewed_____

HAZARDOUS MATERIALS
BUSINESS EMERGENCY PLAN AND INVENTORY CERTIFICATION FORM

→ Business Name Atco Rubber Products, Inc. Facility # FA0014496

Daytime Operator Name _____ Telephone 951-788-4345

Facility Address 3080 12th St. Riverside State CA Zip Code 92507

NEW! eFiling Now Available for Business Emergency Plans

Go to www.riversideca.gov/fire. Click on eFiling

→ **Annual Business Emergency Plan Inventory Review and Update**

✓ The information contained on the annual inventory form most recently submitted to the administering agency is complete, accurate, and up to date and complies with all of the following statements:

1. There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory;
2. No hazardous materials subject to the inventory requirements of Chapter 6.95 H&SC are being handled that are not listed on the most recently submitted annual inventory form; and
3. The most recently submitted annual inventory form contains the information required by sec. 11022 of Title 42 of the United States Code. (The County/OES form 2731 meets this requirement)

___ The inventory as previously reported has changed. Attached are new inventory reporting forms for all changes.

Triennial (3 Year) Business Emergency Plan Review and Certification

___ I certify that the Business Emergency Plan has been reviewed and the information contained in it is accurate and complete as of this date _____.

___ I certify that I have reviewed the Business Emergency Plan and have updated the following items (updated items are attached):

- ___ Emergency contacts names and/or telephone numbers.
- ___ Site and/or facility map(s).
- ___ Emergency procedures.
- ___ Other Information: _____.

Notification should be made to this agency within 30 days if any of the following events occur: change of ownership; change of business name; mailing address; phone number; location; emergency contact person; 100% or more increase in the quantity of a disclosed material; or any handling of a previously undisclosed material subject to regulation. A copy of this form should be kept at the business and available for review upon request of this agency. This form can only be used if you have already submitted the most current version of the Chemical Inventory Form (OES Form 2731). If your business falls under EPCRA/SARA Title III, this form does not meet the annual inventory reporting requirements.

I certify under penalty of law that I have examined and am familiar with the information submitted in this and all attached documents, that the information provided herein is true, accurate, and complete to the best of my knowledge.

→ Name Paul K. Evans Signature PK Evans

Title VP Planning & Info Systems Date 2-28-08

W:/cupa/BEPCERTFORM

Office Use Only
Level_____
Initials_____
Date Reviewed_____

HAZARDOUS MATERIALS
BUSINESS EMERGENCY PLAN AND INVENTORY CERTIFICATION FORM

→ Business Name ATCO RUBBER PRODUCTS, INC Facility # 80568

Daytime Operator Name ATCO RUBBER PRODUCTS Telephone 817-595-2894

Facility Address 3080 12TH ST City Riverside State CA Zip Code 92501

NEW! eFiling Now Available for Business Emergency Plans

Go to www.riversideca.gov/fire. Click on eFiling

→ **Annual Business Emergency Plan Inventory Review and Update**

X The information contained on the annual inventory form most recently submitted to the administering agency is complete, accurate, and up to date and complies with all of the following statements:

1. There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory;
2. No hazardous materials subject to the inventory requirements of Chapter 6.95 H&SC are being handled that are not listed on the most recently submitted annual inventory form; and
3. The most recently submitted annual inventory form contains the information required by sec. 11022 of Title 42 of the United States Code. (The County/OES form 2731 meets this requirement)

___ The inventory as previously reported has changed. Attached are new inventory reporting forms for all changes.

Triennial (3 Year) Business Emergency Plan Review and Certification

X I certify that the Business Emergency Plan has been reviewed and the information contained in it is accurate and complete as of this date 2/26/07.

___ I certify that I have reviewed the Business Emergency Plan and have updated the following items (updated items are attached):

- ___ Emergency contacts names and/or telephone numbers.
- ___ Site and/or facility map(s).
- ___ Emergency procedures.
- ___ Other Information: _____.

Notification should be made to this agency within 30 days if any of the following events occur: change of ownership; change of business name; mailing address; phone number; location; emergency contact person; 100% or more increase in the quantity of a disclosed material; or any handling of a previously undisclosed material subject to regulation. A copy of this form should be kept at the business and available for review upon request of this agency. This form can only be used if you have already submitted the most current version of the Chemical Inventory Form (OES Form 2731). If your business falls under EPCRA/SARA Title III, this form does not meet the annual inventory reporting requirements.

I certify under penalty of law that I have examined and am familiar with the information submitted in this and all attached documents, that the information provided herein is true, accurate, and complete to the best of my knowledge.

→ Name PAUL EVANS Signature [signature]

Title VP Planning & Info Systems Date 2-27-07

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UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION
BUSINESS OWNER/OPERATOR IDENTIFICATION

Page ___ of ___

I. IDENTIFICATION

FACILITY ID# 80568	1	BEGINNING DATE 01/01/06	100
ENDING DATE 12/31/06	101		
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) ATCO RUBBER PRODUCTS, INC	3	BUSINESS PHONE 951.788.4345	102
BUSINESS SITE ADDRESS * (see below) 3080 12TH ST	103		
CITY RIVERSIDE	104	CA	ZIP CODE 92501 105
DUN & BRADSTREET 006022271	106	SIC CODE (4 digit #) 3999	107
COUNTY RIVERSIDE	108		
BUSINESS OPERATOR NAME/DAYTIME MANAGEMENT ATCO RUBBER PRODUCTS, INC	109	BUSINESS OPERATOR PHONE 951-788-4345	110

II. BUSINESS OWNER

OWNER NAME ATCO RUBBER PRODUCTS, INC	111	OWNER PHONE 817.595.2894	112
OWNER MAILING ADDRESS 7101 ATCO DRIVE	113		
CITY FORT WORTH	114	STATE TX 115	ZIP CODE 76118 116

III. ENVIRONMENTAL CONTACT

CONTACT NAME THOMAS MOREAU	117	CONTACT PHONE 817.595.2894	118
CONTACT MAILING ADDRESS 7101 ATCO DRIVE	119		
CITY FORT WORTH	120	STATE TX 121	ZIP CODE 76118 122

IV. EMERGENCY CONTACTS

-PRIMARY-		-SECONDARY-	
NAME DAVID POLIZZI	123	NAME THOMAS MOREAU	128
TITLE PLANT MANAGER	124	TITLE Product Engineering Manager	129
BUSINESS PHONE 951-788-4345	125	BUSINESS PHONE 817-595-2894	130
24-HOUR PHONE 951-678-7869	126	24-HOUR PHONE 817-521-7998	131
PAGER #	127	PAGER #	132

ADDITIONAL LOCALLY COLLECTED INFORMATION: * **Note: Unless otherwise indicated, correspondence will be mailed to the Business Site Address (line #103).** 133

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE [signature]	DATE 2-27-07	134	NAME OF DOCUMENT PREPARER THOMAS MOREAU 135
NAME OF SIGNER (print) PAUL EVANS	136	TITLE OF SIGNER VP Planning & Info Systems	137

OES FORM 2730

Revised 5/03)

Office Use Only
Level_____
Initials_____
Date Reviewed_____

HAZARDOUS MATERIALS
BUSINESS EMERGENCY PLAN AND INVENTORY CERTIFICATION FORM

Business Name ATCO RUBBER PRODUCTS, INC Facility # 80568

Daytime Operator Name ATCO RUBBER PRODUCTS Telephone 817-595-2894

Facility Address 3080 12TH ST City RIVERSIDE State CA Zip Code 92501

NEW! eFiling Now Available for Business Emergency Plans

Go to www.riversideca.gov/fire. Click on eFiling 1/6/06

Annual Business Emergency Plan Inventory Review and Update

X The information contained on the annual inventory form most recently submitted to the administering agency is complete, accurate, and up to date and complies with all of the following statements:

1. There has been no change in the quantity of any hazardous material as reported in the most recently submitted annual inventory;
2. No hazardous materials subject to the inventory requirements of Chapter 6.95 H&SC are being handled that are not listed on the most recently submitted annual inventory form; and
3. The most recently submitted annual inventory form contains the information required by sec. 11022 of Title 42 of the United States Code. (The County/OES form 2731meets this requirement)

___ The inventory as previously reported has changed. Attached are new inventory reporting forms for all changes.

Triennial (3 Year) Business Emergency Plan Review and Certification

X I certify that the Business Emergency Plan has been reviewed and the information contained in it is accurate and complete as of this date 01/13/2006.

___ I certify that I have reviewed the Business Emergency Plan and have updated the following items (updated items are attached):

- ___ Emergency contacts names and/or telephone numbers.
- ___ Site and/or facility map(s).
- ___ Emergency procedures.
- ___ Other Information: _____.

Notification should be made to this agency within 30 days if any of the following events occur: change of ownership; change of business name; mailing address; phone number; location; emergency contact person; 100% or more increase in the quantity of a disclosed material; or any handling of a previously undisclosed material subject to regulation. A copy of this form should be kept at the business and available for review upon request of this agency. This form can only be used if you have already submitted the most current version of the Chemical Inventory Form (OES Form 2731). If your business falls under EPCRA/SARA Title III, this form does not meet the annual inventory reporting requirements.

I certify under penalty of law that I have examined and am familiar with the information submitted in this and all attached documents, that the information provided herein is true, accurate, and complete to the best of my knowledge.

Name RAMESH BHATIA Signature R Bhatia

Title PRESIDENT Date 1-16-06

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(Riv. Co. Assigned Computer #)

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MAR 1 1995
CITY OF RIVERSIDE
FIRE DEPARTMENT

Hazardous Materials Disclosure Information

And Permit Application Form
Please Use Typewriter or Print Clearly

Section 1 - Business and Address Information

ATCO Rubber Products, Inc.
Business Name

3080 12th Street | | Riverside | 92507 |
Business Site Address (Not a PO Box) | Suite/Bldg# | City | Zip | Cross Street

Same
Mailing Address, Bussiness Name (if different from above)

Jake Gabaldon - Plant Manager
Mail to the Attention of

Same
Mailing Address (if different from above)

ATCO Rubber Products, Inc.
Owner's Name

(909) 788 - 4345
Business Phone

Riverside
Fire District

Section II - Contact Information

A) Supply the name, title, phone and available hours of the responsible person to contact During Business Hours:

SHIFT HOURS	NAME/TITLE	PHONE NUMBER (with extension)
6:00a-3:00p	Jake Gabaldon - Plant Manager	(909) 788 - 4345

B) Supply the name, title, phone and available hours of at least two people to contact After Business Hours:

SHIFT HOURS	NAME/TITLE	PHONE NUMBER (with extension)
6:00a-3:00p	Jake Gabaldon - Plant Manager	(909) 875 - 4725
	RALPH KOERBER - Prod Eng Mgr.	(817) 595 - 2894
		( ) -

C) Supply the name, title, phone and available hours of two people to contact in case of an Emergency Haz Mat Incident:

SHIFT HOURS	NAME/TITLE	PHONE NUMBER (with extension)
6:00a-3:00p	Jake Gabaldon - Plant Manager	(909) 788 - 4345
		( ) -

BID: _____
(Leave Blank If Unknown)

Section III - General and Building Information

N/A
Doing Business As (DBA) - If different than Business Name

38 - 1795 - 281
Business License #

00 - 602 - 2271
Dun & Bradstreet #
(If applicable)

N/A
EPA ID #
(If EPA Waste Generator)

Manufacture of Flexible Air Ducts for HVAC Industry
Give description of the main operation of your business

Employee Information - enter # of employees on site per shift hrs.

Shift Hours	Number of Employees
6:00a-3:00p	25

Additional Business Information:

3999
Standard Industrial Code (SIC)

Uniform Building/Occupancy Code (UBC)
(if known)

Lot Size - Identify in sq.ft. or acreage

One (1)
Number of Floors

C
Reporting Status (see Sec. IV)

Section IV - Chemical Disclosure Information - Reporting Status

A No chemicals are used in any way in our business operations.

B Chemicals are used in our company, but we do NOT meet the requirements for disclosure. We have no chemicals in amounts requiring disclosure.

C Chemicals are used in our business and we are submitting our initial Hazardous Materials Disclosure Packet.

D We have reviewed our records and we have no changes from previously submitted information.

E We are submitting a renewal with changes as indicated.

BID: _____
(Leave Blank If Unknown)

****SPECIAL NOTICE FOR DISCLOSURE PACKET UPDATES****

If any of the following occurs, you are required to notify our department within thirty (30) days to complete an updated Disclosure Packet.

1. Change of Business Address
2. Change of Business Ownership
3. Change of Business Name
4. Cessation of Business Operation(s)
5. Change of Business Occupancy Class (Uniform Building Code)
6. Reclassification of TRADE SECRET INFORMATION
7. Change of use or handling of previously undisclosed hazardous material, waste or combination thereof.
8. Storage of any new hazardous material that would require you to comply with the disclosure laws.
9. A significant change in inventory quantity (50%) of any hazardous material for which disclosure information has already been provided.

Section V - Signature

I certify under the penalty of perjury, that the above information is true and correct to the best of my knowledge.

Ramesh Bhatia
Signature

2/27/95
Date

Ramesh Bhatia - President
Name and Title (please type or print)

01/01/94 To 12/31/94
Annual Reporting Period

PLEASE RETURN FORM TO:

State Emergency Response Commission
Local Emergency Planning Committee
Local Fire Department

HazMat SI CHEMICAL INVENTORY FORM ver3.14

Print Clearly with INK or use typewriter ONLY
Please read attached Instructions carefully

ate: 02/20/95 St. Address: 3080 12th Street Page 1 of 2

ndicates code is required for input — Numbers in ( ) refer to Site Chemical Inventory instruction Form

ommon or Trade Name: Fiber Glass Wool

ixtures (List the three most hazardous Ingredients):

AS# (2)	Chemical Name (3)	%(4)	EPA 302(5)	(6) Carcinogen
5997-17-3	Fibrous Glass	95	Y / N	Y / N
			Y / N	Y / N
			Y / N	Y / N

isc Info (7)		Hazard Classes (9)			Waste Info (10)				NFPA	Fire	(11)
orm*:	3	General*:	12		EPA:		Min%:	0		2	
ype*:	M	Physical*:			State:		Max%:	0	Health		React.
OT#:(8)		Health*:		1	Class*:		Rad:		2		0

RDWCPE

nit of leasure: (12) LB. Use/Yr: (13) 3,778,073 Max/On-Site: (14) 63,390 Avg/On-Site: (15) 31,695

ays on Site: (16) 365

Map Info (18)
Page:
Grid:

Codes (19)
Container Storage*: T
Pressure Storage*: 1
Temperature Storage*: 4
Disposal Treatment*: 22

argest Container: (17) Bundle

ocation Stored: (20) Bundles are stacked along walls at various locations.

ow Used/Misc: (21) Used as insulation media for Flexible Air Ducts.

HazMat SI CHEMICAL INVENTORY FORM ver3.14

Print Clearly with INK or use typewriter ONLY
Please read attached Instructions carefully

ate: 02/20/95 St. Address: 3080 12th Street Page 2 of 2

ndicates code is required for input — Numbers in ( ) refer to Site Chemical Inventory instruction Form

ommon or Trade Name: LPG- Propane

lixtures (List the three most hazardous Ingredients):

AS# (2)	Chemical Name (3)	%(4)	EPA 302(5)	(6) Carcinogen
4-98-6	Liquified Petroleum Gas - Propane	9.7	Y / (N)	Y / (N)
			Y / N	Y / N
			Y / N	Y / N

lisc Info (7)		Hazard Classes (9)				Waste Info (10)				NFPA	Fire	(11)
orm*:	2	General*:	08			EPA:		Min%:	0		2	
ype*:	M	Physical*:	1	3		State:		Max%:	0	Health		React.
OT#:(8)	1075	Health*:			1	Class*:	I	Rad:		0		0

RDWCPE

Init of leasure: (12) LB. Use/Yr: (13) 17,053 Max/On-Site: (14) 420 Avg/On-Site: (15) 210

ays on Site: (16) 365

Map Info (18)
Page:
Grid:

Codes (19)
Container Storage*: M
Pressure Storage*: 2
Temperature Storage*: 4
Disposal Treatment*: 3

argest Container: (17) 33.5 lbs.

ocation Stored: (20) Storage rack outside of building and on Forklifts.

low Used/Misc: (21) As fuel for forklifts.

ATCO Rubber Products, Inc.

EMERGENCY RESPONSE PLAN

Facility Information:

ATCO Rubber Products, Inc.
3080 12th Street
Riverside, Ca. 92507
916-446-4097

Standard Industrial Code (SIC): 3999

Owner Information:

ATCO Rubber Products, Inc.
7101 Gumm Lane
Fort Worth, Tx. 76118
817-595-2894

Hazardous Materials Description:

1. Fiber Glass Insulation
2. Liquified Petroleum Gas - Propane

Hazardous Materials Records Location:

This Emergency Response Plan and Material Safety Data Sheets (MSDS) for the above listed chemicals are maintained by the plant at a location accessible to all employees.

Waste Disposal Method:

This facility does not generate hazardous waste that requires disposal or recycling.

Emergency Coordinator:

Primary:

Jake Gabaldon - Plant Manager
ATCO Rubber Products, Inc.
3080 12th Street
Riverside, Ca. 92507
Business Phone: 909-788-4345
Home Phone: 909-875-4725

Alternate:

Internal Response Team:

The Internal Response Team consists of the Emergency Coordinator and Alternate as well as the Supervisor present in the area of an incident involving hazardous materials. Their responsibilities include notifying all employees of the incident and coordinating evacuation processes.

Emergency Response Teams will be notified via voice, phone, and/or public address system.

Employee Notification:

Employees will be notified of possible exposure to hazardous materials via voice, phone, and/or public address system by a member of the Internal Response Team.

Technical Advisors:

Off-site emergency responders (fire, police) will receive technical advice from the following:

1. Jake Gabaldon - Plant Manager

Neighbor Notification Procedures:

The Plant Manager will notify neighboring residences, businesses, schools, etc, which could be affected by a release of hazardous materials. Notification will be via phone.

Containment Procedures:

No containment procedures are relevant for the hazardous materials listed.

Clean-Up Procedures:

No clean-up procedures are relevant for the hazardous materials listed.

Hazardous Waste Disposal:

Not Applicable (See *Waste Disposal Method:*)

Emergency Response Phone Numbers:

Fire 911

Sheriff 911

California Highway Patrol 911

Riverside County Hazardous
Materials Division .....
(24 hours) .....

Ambulance Service 911

Medical Facility ..... _____

Poison Control Center 1-800-342-9293

Agency Notification Phone Numbers:

California Office of Emergency
Services (OES) 1-800-852-7550

State Department of Health Services,
Radiologic Health Branch 445-0931

State Department of Toxic
Substances Control 324-1826

State Water Quality Control Board,
Central Valley Region 255-3000

US Environmental Protection Agency 1-415-744-1500

National Response Center 1-800-424-8802

Emergency Response Plan Use Record:

Plant Manager shall keep a written record for each time the Emergency Response Plan is utilized as follows:

1. Record date, time and details of incident.
2. Does the incident threaten human health or the environment off-site?

   * If yes, go to step 3.
   * If no, go to step 5.

3. Emergency Coordinator notifies the Hazardous Materials Division and local emergency response agencies.
4. Emergency Coordinator notifies OES and reports:

   * Date and time of incident
   * Name and phone number of person reporting
   * Facility name and address
   * Type of incident occurrence
   * Names and amounts of hazardous materials involved
   * Description of any injuries
   * Description of hazards to people or the environment off-site

5. Emergency Coordinator verifies that prior to resuming operations:

   * No incompatible wastes are left in affected areas, and
   * Emergency equipment is cleaned up and ready to use.

   If OES is not required to be notified, stop here.

6. Owner/operator notifies OES, *prior to resuming operations*, that requirements of step 5 have been met.

7. Owner/operator submits a written report to the OES within 15 days confirming or revising emergency coordinator's initial report, and reporting the amount and disposition of recovered waste.

Employee Training:

California Health and Safety Code Chapter 6.95 requires initial and annual training for all employees on safety procedures and the Emergency Response Plan. Facilities are required to keep written documentation of employee training sessions in the form of a sign-off sheet stating dates, employee names and positions, and the training material covered.

HAZARDOUS MATERIALS BUSINESS PLAN CERTIFICATION FORM

For Use by Unidocs Member Agencies or where approved by your Local Jurisdiction
Authority Cited: Health and Safety Code §25503.3(c); 19 CCR §2729.5(c)

To: Agency Name: Riverside Fire Department
Agency Mailing Address 3775 Fairmount Blvd.
Riverside, CA 92501

Pursuant to Section 25503.3(c) of California Health and Safety Code (HSC), the Hazardous Materials Business Plan (HMBP) certification described below is hereby submitted for the following facility:

Facility Name: Atco Rubber Products, Inc.

Facility Street Address: 3080 12th Street City: Riverside

Date of Current HMBP: 2010/02/05

I certify that: *(Check the appropriate box.)*

☒ I have personally reviewed the Hazardous Materials Business Plan currently on file with your agency and certify that the HMBP is complete and accurate. *(See bottom of page for details.)* If this facility is subject to Federal Emergency Planning and Community Right to Know Act (EPCRA) reporting requirements, I have submitted the following documents with this Certification Form: Unified Program Consolidated Form (UPCF) Business Activities page; UPCF Business Owner/Operator Identification page with current signature and date; Hazardous Materials Inventory Statement page(s) with an original signature, photocopy of an original signature, or signature stamp on each page for all Extremely Hazardous Substances (EHS) handled at or above their Federal Threshold Planning Quantity (TPQ) or 500 pounds, whichever is less.

or

☐ Revisions to the Hazardous Materials Business Plan are necessary. The HMBP as revised is complete and accurate and is being implemented. A copy of the revisions has been electronically submitted or is enclosed with this Certification along with a signed UPCF Business Owner/Operator Identification page and UPCF Business Activities page if the HMBP revision include changes to the Hazardous Materials Inventory Statement.

OWNER/OPERATOR CERTIFICATION: I hereby certify under penalty of law that, based upon my inquiry of those individuals responsible for obtaining the information reported above, I believe that the submitted information is true, accurate, and complete. I understand that a revised HMBP must be submitted within 30 days of any change in this facility's storage or handling of hazardous materials that would require updating of the HMBP.

Name of Owner/Operator *(Print)*: Paul Evans Title: Vice President of Planning and Information Technology

Phone: 817-595-2894 Signature: [signature] Date: 2/5/2010

By checking the upper box on this form, you are certifying that:

- The information contained in the HMBP most recently submitted is complete, accurate, and up-to-date; **and**
- There has been no change in the quantity of any hazardous material as reported in the most recently submitted Hazardous Materials Inventory forms; **and**
- The facility has not begun handling any hazardous material in a HMBP reportable quantity that is not currently listed in the Hazardous Materials Inventory; **and**
- The most recently submitted HMBP contains the information required by Section 11022 of Title 42 of the United States Code; **and**
- There have been no substantial changes in the facility's operations that would require revision of the current HMBP.

RECEIVED
MAR 02 2010
CITY OF RIVERSIDE
FIRE DEPARTMENT

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS OWNER/OPERATOR IDENTIFICATION

I. IDENTIFICATION

FACILITY ID # (Agency Use Only) — — 1.	BEGINNING DATE 100. 2009/01/01	ENDING DATE 101. 2009/12/31	
BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3. Atco Rubber Products, Inc.		BUSINESS PHONE 102. 951-788-4345	
BUSINESS SITE ADDRESS 103. 3080 12th Street		BUSINESS FAX 102a. 951-788-4716	
BUSINESS SITE CITY 104. Riverside	CA	ZIP CODE 105.	COUNTY 108. Riverside
DUN & BRADSTREET 106 006022271	PRIMARY SIC 107.	PRIMARY NAICS 107a.	
BUSINESS MAILING ADDRESS 108a.			
BUSINESS MAILING CITY 108b.	STATE 108c. CA	ZIP CODE 108d.	
BUSINESS OPERATOR NAME 109.		BUSINESS OPERATOR PHONE 110.	

II. BUSINESS OWNER

OWNER NAME 111. Atco Rubber Products, Inc.		OWNER PHONE 112. 817-595-2894
OWNER MAILING ADDRESS 113. 7101 Atco Dr.		
OWNER MAILING CITY 114. Fort Worth	STATE 115. TX	ZIP CODE 116. 76118

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117. Steve Barnes		CONTACT PHONE 118. 817-595-2894
CONTACT MAILING ADDRESS 119. 7101 Atco Dr.		CONTACT EMAIL 119a. 7101 Atco Dr.
CONTACT MAILING CITY 120. Fort Worth	STATE 121. TX	ZIP CODE 122. 76118

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123. Larry Cox	NAME 128.
TITLE 124. Vice President of Operations	TITLE 129.
BUSINESS PHONE 125. 817-595-2894	BUSINESS PHONE 130.
24-HOUR PHONE 126. 817-253-9112	24-HOUR PHONE 131.
PAGER # 127.	PAGER # 132.

ADDITIONAL LOCALLY COLLECTED INFORMATION: 133.

Billing Address: _____

Property Owner: _____ Phone No.: _____

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134. 2010/02/05	NAME OF DOCUMENT PREPARER 135. Amanda Noriega
NAME OF SIGNER (print) 136. Paul Evans	TITLE OF SIGNER 137. Vice President of Planning and Informati	

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # *(Agency Use Only)* — 1.

EPA ID # (Hazardous Waste Only) 2.

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* 3.
Atco Rubber Products, Inc.

BUSINESS SITE ADDRESS 3080 12th Street 103.

BUSINESS SITE CITY Riverside 104. CA ZIP CODE 92507 105.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility…	If Yes, please complete these pages of the UPCF…	
A. HAZARDOUS MATERIALS Have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☐ YES ☒ NO 4.	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION
B. CalARP REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☐ YES ☒ NO 4a.	Coordinate with your local agency responsible for CalARP.
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?	☐ YES ☒ NO 5.	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
D. ABOVE GROUND PETROLEUM STORAGE Own or operate ASTs above these thresholds: Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☐ YES ☒ NO 8.	No form required to CUPAs
E. HAZARDOUS WASTE Generate hazardous waste?	☐ YES ☒ NO 9.	EPA ID NUMBER – provide at top of this page
Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?	☐ YES ☒ NO 10.	RECYCLABLE MATERIALS REPORT (one per recycler)
Treat hazardous waste onsite?	☐ YES ☒ NO 11.	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
Perform treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12.	CERTIFICATION OF FINANCIAL ASSURANCE
Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13.	REMOTE WASTE CONSOLIDATION SITE ANNUAL NOTIFICATION
Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14.	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more then 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste?	☐ YES ☒ NO 14a.	Obtain federal EPA ID Number, file Biennial Report (EPA Form 8700-13A/B), and satisfy requirements for RCRA Large Quantity Generator.
Serve as a Household Hazardous Waste (HHW) Collection site?	☐ YES ☒ NO 14b.	See CUPA for required forms.

F. LOCAL REQUIREMENTS (You may also be required to provide additional information by your CUPA or local agency.) 15.

Date: 02/04/10

Non-Waste Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

Business Name: (Same as Facility Name or DBA) Atco Rubber Products, Inc.

Type of Report on This Page: ☐ Add; ☐ Delete; ☐ Revise

Page 1 **of** 1 (One page per building or area)

Chemical Location: (Building/Storage Area) Atco Riverside

EPCRA Confidential Location? ☐ Yes; ☒ No

Trade Secret Information? ☐ Yes; ☒ No

Facility ID # (Agency Use Only) - -

1. Haz. Class	2. Map and Grid or Location Code	3. Common Name	4. Hazardous Components (For mixtures only) Chemical Name	% Wt.	EHS	CAS No.	5. Type and Physical State	6. Quantities Max. Daily	Average Daily	Largest Cont.	7. Units	8. Storage Codes Storage Pressure	Storage Temp.	9. Hazard Categories
	MAP:	Fibrous Glass Wool	Fiberglass Wool	90.5	☒	65997-17-3	☐ pure ☒ mixture	100758	80606	594	☐ gallons ☒ pounds ☐ cu. feet ☐ tons	☒ ambient ☐ > amb. ☐ < amb.	☒ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☒ acute health ☒ chronic health ☐ radioactive
	GRID:		Urea, polymer of phenol & formaldehyde	9.5	☒	25104-55-6								
			Formaldehyde	0.1	☒	50-00-0	☒ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site: 365	Storage Container:* R				
		CAS No.: ☒ EHS			☐									
					☐									
	MAP:				☐		☐ pure ☐ mixture				☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
	GRID:				☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		CAS No.: ☐ EHS			☐									
					☐									
	MAP:				☐		☐ pure ☐ mixture				☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
	GRID:				☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		CAS No.: ☐ EHS			☐									
					☐									
	MAP:				☐		☐ pure ☐ mixture				☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
	GRID:				☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		CAS No.: ☐ EHS			☐									
					☐									
	MAP:				☐		☐ pure ☐ mixture				☐ gallons ☐ pounds ☐ cu. feet ☐ tons	☐ ambient ☐ > amb. ☐ < amb.	☐ ambient ☐ > amb. ☐ < amb. ☐ cryogenic	☐ fire ☐ reactive ☐ pressure release ☐ acute health ☐ chronic health ☐ radioactive
	GRID:				☐		☐ solid ☐ liquid ☐ gas	Curies: (If radioactive)	Days On Site:	Storage Container:*				
		CAS No.: ☐ EHS			☐									
					☐									

*

Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type	Code	Storage Type
A	Aboveground Tank	D	Steel Drum	G	Curboy	J	Bag	M	Glass Bottle or Jug	P	Tank Wagon
B	Belowground Tank	E	Plastic/Non-metallic Drum	H	Silo	K	Box	N	Plastic Bottle or Jug	Q	Rail Car
C	Tank Inside Building	F	Can	I	Fiber Drum	L	Cylinder	O	Tote Bin	R	Other

If EPCRA, sign below:

*** OFFICIAL USE ONLY ***
* REV KM CAM CAD __*
****

RECEIVED
MAY 20 1992
CITY OF RIVERSIDE
FIRE DEPARTMENT

$180.00

BUSINESS EMERGENCY PLAN

Reporting Period: 1/1/92 to 12/31/92 DATE: 12/20/91

SECTION I: **General Facility Information and Procedure**

A. Business Identification:

BUSINESS NAME: Paramount CAN company, Inc.

BUSINESS ADDRESS: 3080 12th St, Riverside
number street suite

MAILING ADDRESS: P.O. BOX 1898
number street suite

Paramount, CA 90723
city state zip

BUSINESS PHONE: 714-682-4144

PRIMARY CONTACT: David Harrigan V.P. MFG.
first name last name title

PHONE #: 714-682-4144 714-457-0182
work after hours

TYPE OF BUSINESS: manufacturing
(i.e., retail, manufacturing, research, etc.)

HOURS OF OPERATION: 24 NUMBER OF WORK SHIFTS: 3

NUMBER OF EMPLOYEES: 27

SIC CODE:* 3089 - Plastic Molding 2759 - Printing DUN and BRADSTREET #:** 04-037-5370

We handle Extremely Hazardous Substances (Acutely Hazardous Materials).
YES [ ] **NO** [X]

There is a school, hospital, or extended care facilities within 1000 ft (straight line distance) of my facility.
YES [ ] **NO** [X]

*SIC #: Enter the primary Standard Industrial Classification (SIC) code number for your facility.

**Dun and Bradstreet #: Enter the Dun and Bradstreet number for your business. If your business does not have this information, contact the Regional Office of Dun and Bradstreet at (714) 937-0869 to obtain your business's number.

B. Emergency Contact Information (after business hours):

The following persons have been designated to coordinate and assist in the event of a hazardous materials incident at this facility:

1. **Emergency Coordinator:** The Emergency Coordinator is responsible for managing hazardous materials emergencies, and coordinating all emergency measures. The coordinator shall be thoroughly familiar with the facility Emergency Response Plan (ERP), the facility's operations, hazardous materials, and facility layout. Other tasks of the emergency coordinator include writing the emergency response plan, updating it when necessary, and overseeing the training of personnel in its use.

EMERGENCY COORDINATOR: David Harrigan (First Name / Last Name) TITLE V.P. MFG.

PHONE #: Work 714-682-4144 After Hours 714-457-0182

2. **ALTERNATE EMERGENCY COORDINATOR:** The alternate Emergency Coordinator shall be familiar with the duties and responsibilities of the primary Emergency Coordinator and shall perform those duties when the Coordinator is not available. The Alternate Coordinator may also assist the Coordinator in writing, updating the ERP, and overseeing the training of employees and on-site emergency response personnel.

ALTERNATE EMERGENCY COORDINATOR: Greg McLeod (First Name / Last Name) TITLE Production MGR.

PHONE #: Work 714-682-4144 After Hours 714-761-3697

C. Emergency Notification:

A handler of hazardous materials is required to immediately report any release or threatened release of a hazardous material to:

		Phone Number
1.	Riverside Fire Department	9-1-1
2.	Office of Emergency Services	(800) 852-7550 or (916) 427-4341
3.	Administering Agency	(714) 782-5321

REMEMBER

1. Failure to report a release or threatened release of a hazardous material may result in civil and/or criminal prosecution.

2. Failure to submit a Business Emergency Plan and/or chemical inventory is a misdemeanor and may result in prosecution

3. A late fee of 50% of the administrative fee shall be assessed if this Plan has not been submitted by January 31st or within 30 days of its receipt, whichever comes first.

Check Box If Applicable:

[ ] I have determined that I do not meet the requirements for submitting a Business Emergency Plan and am therefore returning only the Facility Information forms, pages 8, 9, and 10.

I declare under penalty of law that I have reviewed this Emergency Business Plan and I understand my responsibilities; and that the information provided in this and all attached documents is true and correct to the best of my knowledge.

Signature of Owner/Operator: _____ Date: 12-20-91

Print Name of Owner/Operator: Donald A McLeod Title: President

Print Name of Document Preparer: Greg McLeod Date: 12/20/91

A COPY OF THIS PLAN SHALL BE RETAINED AT YOUR BUSINESS.

BUSINESS EMERGENCY PLAN

SECTION II: Emergency Response Plans an Procedures

State Law requires your business to complete all sections of the Emergency Response Procedures listed below. **"N/A"** is not an acceptable answer.

A. Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, the Local Administering Agency, and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

Fire/Paramedics/Police
Phone: 9-1-1

Person responsible for calling **9-1-1:** David Harrigan

After the local emergency response personnel are notified, you shall then notify the Local Administering Agency and the Office of Emergency Services.

Local Administering Agency: (714) 782-5321

State Office of Emergency Services: (800) 852-7550 or (916) 427-4341

Individual responsible for calling the Local Administering Agency and the State Office of Emergency Services:

Name David Harrigan Title V.P. MFG.

B. List the primary company medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous materials. Use this information in the event of an emergency.

Hospital/Clinic: Riverside Community Hospital

Address: 4445 Magnolia Ave.

City: Riverside, CA 92501

Phone: (714) 788-3000

C. Does your business have a private on-site emergency response team?

Yes [ ] **No** [X]

If yes, describe what policies and procedures your business will follow to notify your on-site emergency response team in the event of a release or threatened release of hazardous materials.

D. Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials for the following categories:

1. Prevention - Describe what policies and procedures your business will follow to prevent a release or threatened release of hazardous materials.

   A prevention/maintenance program should have been implemented for the review of methods leading to the reduction of a potential hazardous material release. Of the following check those that apply to your facility.

   _ _ Periodic Inspections
   _ _ Corrosion Maintenance
   _ _ Periodic Equipment Maintenance
   _ _ Approved Containers Used
   _ _ Marked Emergency Exit(s)
   _X_ Fire Extinguisher(s) Serviced
   _ _ Chemical Handling Training Implemented
   _ _ Safety Training Implemented
   _ _ Corrosion Monitoring Program Initiated
   _ _ Regular Container Inspection
   _ _ Proper Warning Labels on Containers
   _ _ Approved Flammable Storage Area
   _ _ Proper Separation of Chemicals
   _ _ General Housekeeping
   _ _ Proper Ventilation
   _ _ Other

   a.
   b.
   c.

2. Mitigation – Describe what policies and procedures your business will follow to reduce the hazard to persons, property or the environment caused by a release or threatened release of hazardous materials.

General procedures for FIRE, RELEASE, or THREATENED RELEASE.

A. In any incident that jeopardizes human health and safety,

   a. Activate appropriate emergency shutoff.
   b. Evacuate personnel from facility using safest routes available according to the situation.
   c. Go to an upwind area and maintain a safe distance

B. With evacuation, notify emergency response agencies by dialing 9-1-1 if incident represents an immediate threat.

C. Deny entry to the area to anyone other than 9-1-1 emergency response personnel until area is declared safe.

D. Stand by to assist emergency response personnel.

E. Other procedures that apply to your particular situation

   a.
   b.
   c.

3. Abatement – Describe what policies and procedures your business will follow to remove the hazard to persons, property or the environment caused by a release or threatened release of hazardous materials.

General procedures for FIRE, RELEASE, or THREATENED RELEASE:

A. Keep nonessential personnel away from area.

B. Materials involved in cleanup will be disposed of in accordance with applicable Federal, State and Local regulations.

C. Other procedures that apply to your particular situation

   a.
   b.
   c.

4. <u>Notification & Evacuation</u> - of the facility, if required, will follow the designated routes (if unobstructed) as diagramed on the Site Plot Plan. These are posted in highly visible areas through the facility. Employees will be notified to evacuate by the following signal:

- __ Audible Alarm System
- __ Visual Alarm
- X Public Address (Loudspeaker)
- __ Telephone
- __ Verbal (Shouting)

5. Your business is required by State Law to keep a copy of this Business Emergency Plan, including the Inventory and Site Layout. Describe where this copy is located at your business

1) Plant manager's OFFice

2) Lunch Area

3) Shipping Desk in Rear of Plant.

4) Screening Supervisor's Desk in middle of Plant.

BUSINESS EMERGENCY PLAN
TRAINING OUTLINE

SECTION IV: **Employee Training Program**

Describe the training for all employees in safety procedures in the event of a release or threatened release of hazardous materials. This training shall include, but not be limited to, the following: new employee training, annual training, periodic refresher courses and familiarization with Section II (Emergency Plans and Procedures) of this Business Emergency Plan.

1. **New Employees:**

   a. Each newly hired employee working at your facility will be informed during the first week of employment of the location of the hazardous material, and the emergency plan procedures in the event of an accidental release.

   b. New employees working with hazardous materials shall be specifically trained in the proper operation and management of those materials under normal operating circumstances and under emergency circumstances. This training will take place within the first week of employment.

2. **Refresher Training:**

   a. Each employee will be notified whenever a change takes place in the amount of hazardous materials managed at the facility.

   b. Each employee will be annually retrained on the emergency procedures, at a level appropriate to his involvement with the hazardous materials.

A. Handling Hazardous Materials:

Special on-the-job training in the handling of hazardous materials is provided in the following areas:

1.
2.
3.

The MSDS for each appropriate hazardous substance is used to provide:

1. Recognition of the physical and chemical properties of each substance.
2. Knowledge of the toxicity involved in usage of the substance.

3. Knowledge of the potential health hazards from use of the chemicals.
4. Understanding the first aid steps to counteract any effects of improper exposure to the chemical.
5. Knowledge of any precautions or protective equipment which must be used or worn when handling the chemical.

B. Emergency Response Plan:

A review of the contents of the Business Emergency Plan will be made by all employees. During this review, one or more of the following objectives will be accomplished:

1. Familiarization with the BEP in general.
2. Familiarization with the procedures for notifying the on-site emergency response team (if applicable).
3. Familiarization with the procedures for notification and coordination with local emergency response organization.
4. Familiarization with the evacuation procedures and routes in the event of an emergency. Escape routes are posted in highly visible sections of the facility and exit doors are clearly marked.

C. Safety and Emergency Equipment Usage:

Formalized training will provide familiarization with one or more of the following:

1. The location and proper use of fire fighting equipment.
2. The location of and procedures for facility shutdown, including the location of the turnoff valves for gas and electricity.
3. The proper use and wearing of protective gear and clothing.
4. The location and use of emergency communication equipment.
5. The proper use of equipment used in the day to day business.

D. Record Keeping:

Training records must be kept on each employee

E. Training Coordinator:

Name: Dave Harrigan Phone #: (714) 682-4144

CITY OF RIVERSIDE FIRE DEPARTMENT
HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAN Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____
Mailing Address: P.O. Box 1898, Paramount CA, 90723
Owner/Operator Name: Paramount CAN Co, Inc.
Purpose: Annual [X] Previously Unreported Materials [ ]
100% Change in Quantity [ ] Change in Business Name/Address [ ]
EPA Waste Generator I.D. #: **Trade Secret:** YES [ ] NO [X]

CHEMICAL DESCRIPTION

Chemical Name: Aromatic DiAzonium SALT CAS #: ____
Common Name: Sensitizer For Emulsion UN/DOT #: ____
Max Daily Amt: Gal ____ Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Phosphoric Acid % 40 CAS # 7664-38-2
2. ____ % ____ CAS # ____
3. ____ % ____ Cas # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[ ]	8. Water Reactive	[X]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: E
Pressure Code: 1 Physical State: Pure [ ] Solid [ ]
Temperature Code: 4 Mixture [ ] Liquid [X]
Physical Hazards: Waste [ ] Gas [ ]
1. Fire [X] Health Hazards:
2. Reactive [ ] Acute (Immediate) [X]
3. Pressure [ ] Chronic (Delayed) [ ]
Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Chloroethylene Polymer Compound CAS #: 9002-86-2
Common Name: Plastic UN/DOT #: ____
Max Daily Amt: Gal ____ Lbs 750 Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Vinyl Chloride % ____ CAS # N/A
2. Organotin % ____ CAS # N/A
3. ____ % ____ Cas # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 13
Storage Code: J
Pressure Code: 1 Physical State: Pure [ ] Solid [X]
Temperature Code: 4 Mixture [ ] Liquid [ ]
Physical Hazards: Waste [ ] Gas [ ]
1. Fire [Y] Health Hazards:
2. Reactive [ ] Acute (Immediate) [ ]
3. Pressure [ ] Chronic (Delayed) [X]
Location on Site:

(Rev 10/91)

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAn CO. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: PolyETHeLene CAS #: 9002-88-4
Common Name: Plastic UN/DOT #: ____
Max Daily Amt: Gal ____ Lbs 10,000 Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. N/A % ____ CAS # ____
2. ____ % ____ CAS # ____
3. ____ % ____ CAS # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[ ]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 13
Storage Code: J
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [X]
Mixture [ ] Liquid [ ]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) N/A [ ]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Color concentrate mix CAS #: ____
Common Name: Color UN/DOT #: ____
Max Daily Amt: Gal ____ Lbs 500 Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Zinc Ferrite % N/A CAS # 12063-19-3
2. Titanium Dioxide % N/A CAS # 13462-67-7
3. Ground Limestone % N/A Cas # 1317-65-33

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[ ]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 01
Storage Code: H
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [X]
Mixture [ ] Liquid [ ]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) [X]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAn CO. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: MONOCAT 91-S Series CAS #: ____
Common Name: Screen Ink UN/DOT #: ____
Max Daily Amt: Gal 50 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:

1. Butyl Alcohol % ____ CAS # 71-36-3
2. 2-Butoxyenthanol % ____ CAS # 111-76-2
3. Isopropyl Alcohol % ____ CAS # 67-63

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]		
2. Flammable	[X]	5. Combustible	[ ]	8. Water Reactive	[ ]		
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]		

Use Code: 26
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) [X]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Fast Dry Gloss Vinyl CAS #: ____
Common Name: Screen Ink UN/DOT #: ____
Max Daily Amt: Gal 50 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:

1. Aromatic Hydrocarbon % 15-25 CAS # 64742-95-6
2. Ethylene Glycol Butylether Acetate % 15-25 CAS # 112-07-02
3. Cyclohexanone % 15-25 Cas # 108-94-1

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]		
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]		
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]		

Use Code: 26
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [X]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAn Co. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: Colstat CAS #: ____
Common Name: screen making supplies UN/DOT #: ____
Max Daily Amt: Gal 2 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Polyoxyethlene Alkylaryl Alcohol % 9 CAS # N/A
2. ____ % ____ CAS # ____
3. ____ % ____ CAS # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: E
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) [X]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Reducer CAS #: ____
Common Name: Solvent UN/DOT #: ____
Max Daily Amt: Gal 1 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Cellosolve % 100 CAS # 110-80-5
2. ____ % ____ CAS # ____
3. ____ % ____ Cas # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [X]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAN CO. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: New NGVLY Ink CAS #: ____
Common Name: Silk Screen Ink UN/DOT #: ____
Max Daily Amt: Gal 5 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Glycol Ether % ____ CAS # N/A
2. ____ % ____ CAS # ____
3. ____ % ____ CAS # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[X]	5. Combustible	[ ]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [X]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Bisphenol A Polycarbonate CAS #: N/A
Common Name: Plastic UN/DOT #: ____
Max Daily Amt: Gal ____ Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. None % ____ CAS # ____
2. ____ % ____ CAS # ____
3. ____ % ____ Cas # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 13
Storage Code: J
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [X]
Mixture [ ] Liquid [ ]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) [X]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount Can Co. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: Vinyl Acrylic Resin Screen Ink CAS #: ____
Common Name: Screen Ink UN/DOT #: ____
Max Daily Amt: Gal 4 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Petroleum Hydro CARBon % 20-45 CAS # 65742-94-5
2. Butylrolactone % 10-20 CAS # 96-48-0
3. 2-Butyl Butoxyethanol % 0-25 CAS # 111-76-2

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]		
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]		
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]		

Use Code: 36
Storage Code: L
Pressure Code: #1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [ ]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Viscosity Modifier CAS #: ____
Common Name: Screen Ink UN/DOT #: ____
Max Daily Amt: Gal 4 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Acrylate Ester % 70 CAS # N/A
2. % ____ CAS # ____
3. % ____ Cas # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]		
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]		
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]		

Use Code: 36
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [ ]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAn Co. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: Aqueous Suspension of Vinyl Resin CAS #: ____
Common Name: Screen Emulsion UN/DOT #: ____
Max Daily Amt: Gal 2 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. DiButyl Phthalate % 4 CAS # 84-74-2
2. ____ % ____ CAS # ____
3. ____ % ____ CAS # ____

Classification:

1.	Poison	[ ]	4.	Oxidizer	[ ]	7. Cryogenic	[ ]
2.	Flammable	[ ]	5.	Combustible	[ ]	8. Water Reactive	[✓]
3.	Corrosive	[ ]	6.	Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: E
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [✓]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [✓]
Chronic (Delayed) [ ]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Pigment Suspension in Water CAS #: ____
Common Name: Dye For Emulsion UN/DOT #: ____
Max Daily Amt: Gal 2 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Ethyl Glycol % ____ CAS # 107-21-1
2. ____ % ____ CAS # ____
3. ____ % ____ Cas # ____

Classification:

1.	Poison	[ ]	4.	Oxidizer	[ ]	7. Cryogenic	[ ]
2.	Flammable	[ ]	5.	Combustible	[ ]	8. Water Reactive	[✓]
3.	Corrosive	[ ]	6.	Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: E
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [✓]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [✓]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [✓]
Chronic (Delayed) [ ]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAn Co. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: DDA-19 Anhydrol 190-200 CAS #: ____
Common Name: Alcohol UN/DOT #: ____
Max Daily Amt: Gal ____ Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. ____ % ____ CAS # ____
2. ____ % ____ CAS # ____
3. ____ % ____ CAS # ____

Classification:

1.	Poison	[ ]	4.	Oxidizer	[ ]	7. Cryogenic	[ ]
2.	Flammable	[ ]	5.	Combustible	[ ]	8. Water Reactive	[ ]
3.	Corrosive	[ ]	6.	Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: M
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [ ]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [ ]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) [ ]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Solvent Blend CAS #: ____
Common Name: Solvent UN/DOT #: ____
Max Daily Amt: Gal 1 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Proprietary solvent Blend % 100 CAS # N/A
2. ____ % ____ CAS # ____
3. ____ % ____ Cas # ____

Classification:

1.	Poison	[ ]	4.	Oxidizer	[ ]	7. Cryogenic	[ ]
2.	Flammable	[ ]	5.	Combustible	[X]	8. Water Reactive	[X]
3.	Corrosive	[ ]	6.	Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [ ]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [ ]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE FIRE DEPARTMENT

HAZARDOUS MATERIAL INVENTORY FORM

Reporting Period: 1/1/92 to 12/31/92

Business Name: Paramount CAn Co. Phone: (714) 682-4144
Address: 3080 12th St. Riverside Suite #: ____

CHEMICAL DESCRIPTION

Chemical Name: 2-Butoxyethanol CAS #: 111-76-2
Common Name: Butyl cellosolve UN/DOT #: ____
Max Daily Amt: Gal 5 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Ethylene Glycol % ____ CAS # ____
2. Monobutyl Ether % ____ CAS # ____
3. ____ % ____ CAS # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[X]	8. Water Reactive	[ ]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 8
Storage Code: M
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [ ]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [ ]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [ ]
Chronic (Delayed) [ ]

Location on Site:

CHEMICAL DESCRIPTION

Chemical Name: Ulano Stencil Remover #4 CAS #: ____
Common Name: Stencil Remover UN/DOT #: ____
Max Daily Amt: Gal 1 Lbs ____ Ft3 ____ Cu ____ Yrly Amt: ____
Days on Site: ____ Aver Daily Amt: ____ Waste Amt: ____ Waste #: ____
Three Most Hazardous Components of Chemical:
1. Sodium Metaper Iodate % ____ CAS # ____
2. ____ % ____ CAS # ____
3. ____ % ____ Cas # ____

Classification:

1. Poison	[ ]	4. Oxidizer	[ ]	7. Cryogenic	[ ]
2. Flammable	[ ]	5. Combustible	[ ]	8. Water Reactive	[X]
3. Corrosive	[ ]	6. Explosive	[ ]	9. Organic Peroxide	[ ]

Use Code: 36
Storage Code: L
Pressure Code: 1
Temperature Code: 4
Physical Hazards:
1. Fire [X]
2. Reactive [ ]
3. Pressure [ ]

Physical State: Pure [ ] Solid [ ]
Mixture [ ] Liquid [X]
Waste [ ] Gas [ ]

Health Hazards:
Acute (Immediate) [X]
Chronic (Delayed) [ ]

Location on Site:

Calculate Administrative Fee (Refer to Pages 20 & 21) $

********** **OFFICIAL USE ONLY** **********

Date Rev'd: ____ Total Q: ____ Fee Cat: ____
Amt. Rec'd: ____ Rev. By: ____ Insp Date: ____

CITY OF RIVERSIDE

FIRE/ LIFE SAFETY VIOLATION

DATE: 9/25/14

Name: Solar May

Address: 3080 12th St.

An inspection of the premises at 3080 12th St., Riverside, 92507

disclosed violation(s) of fire regulations as follows:

Any person who becomes a user or handler of hazardous materials in excess of legal limits must submit a completed Hazardous Materials Business Emergency Plan to the Fire Department within thirty (30) days of becoming a user or handler. Thereafter, said user shall comply annually. Riverside Municipal Code (RMC), Section 9.48.030.

You are hereby notified that the conditions stated above are a violation of the law and immediate action is to be taken to correct them or show cause why you should not be required to make corrections. A reinspection will be made on the date indicated below. If the same conditions exist and no cause aforesaid be shown, further action will be taken as the law requires.

Inspector: Lisa Munoz

Shift/Company: Prevention

Reinspection date: 10/27/14

Received by: Greg Marron

213-51 R3 (12-00)

FIRE DEPARTMENT

3775 FAIRMOUNT BOULEVARD • RIVERSIDE, CALIFORNIA 92501 • (909) 826-5321

FAX: (909) 826-5585 • www.ci.riverside.ca.us/fire

MATERIAL SAFETY DATA SHEET

H.M.I.S. RATING	
Health	2
Flammability	2
Reactivity	0
Protective Equip.	

PRODUCT NAME: TROPICAL - #509 MODIFIED ROOF MASTIC
PRODUCT CODE: TM509

SECTION I - MANUFACTURER IDENTIFICATION

FLORIDA PLANT	CALIFORNIA PLANT	TEXAS PLANT
Address: 1904 S.W. 31ST Ave. Hallandale Beach, FL 33009	**Address:** 14435 Macaw Street La Mirada, California 90638	**Address:** 1225 Brai Drive - P.O. Box 5335 Port Arthur, Texas 77640
E-mail: info-fl@tropicalroofingproducts.com	**E-mail:** info-ca@tropicalroofingproducts.com	**E-mail:** info-tx@tropicalroofingproducts.com
Information Phone #: (800) 432-2855	**Information Phone #:** (877) 827-2622	**Information Phone #:** (866) 727-0091
Emergency Phone #: (800) 424-9300	**Emergency Phone #:** (800) 424-9300	**Emergency Phone #:** (800) 424-9300

DATE PREPARED: June 8, 2005
DATE REVISED: February 18, 2009

PRIMARY CONTACT: Technical Services
E-MAIL FOR ABOVE: technical@tropicalroofingproducts.com

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV	OTHER	VAPOR PRESSURE mm Hg @ TEMP	
PETROLEUM ASPHALT/BASE ASPHALT	8052-42-4	N/E	5MG/M3	5MG/M3	3.0	68F
STODDARD SOLVENT/MINERAL SPIRITS	8052-41-3	100PPM	100PPM	N/A	3.4	68F
PROPANAMINE ACETATE/ETHER AMINE	28701-67-9	N/E	N/E		N/A	
STYRENE/BUTADIENE COPOLYMER LATEX/LATEX EMULSION	9003-55-8	N/A	N/A	N/A	17.4	68F
HYDRATED ALUMINUM-MAGNESIUM SILICATE/ATTAPULGITE	12174-11-7	15MG/M3	10MG/M3		N/A	
AROMATIC HYDROCARBON/AROMATIC 100	64742-95-6	100PPM	100PPM	N/A	1.0	68F
CELLULOSE FIBER/CELLULOSE FIBER	9004-34-6	15MG/M3	10MG/M3		N/A	
HYDROUS ALUMINUM SILICATE/KAOLIN	1332-58-7	5MG/M3	2MG/M3		N/A	

There are no S.A.R.A. Section 313 ingredients in this material in excess of de minimis amounts. Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

Generally, the above ingredients that do not possess a vapor pressure are pigments and are only hazardous as airborne particles when the coating begins to degrade.

The HMIS (Hazardous Materials Identification System) codes at the upper right area of this page are recognized by OSHA. The PERSONAL PROTECTION code is left blank Tropical Roofing Products MSDSs as it depends on application technique and workplace ventilation. Please read all other sections of this MSDS before deciding on the appropriate protective equipment and beginning work.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212 Deg F
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 1.89 LB/GL (227 GR/LT)
MATERIAL V.O.C.: 1.89 LB/GL (227 GR/LT)
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Dark paste with solvent odor

SPECIFIC GRAVITY (H2O=1): 1.1
EVAPORATION RATE: SLOWER THAN ETHER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 106 Deg F **METHOD USED:** T.C.C.
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.7% **UPPER:** 8.5%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES
Water may be ineffective in extinguishing fire. Use self-contained breathing apparatus.
Do not use water stream on burning liquid. If water is used to cool containers near fire, fog nozzles are preferred.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode when exposed to extreme heat or fire. Material may splatter if exposed to extreme heat.
Decomposition of burning material may cause toxic gases to form, which may include carbon dioxide and carbon monoxide.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID
Elevated temperatures and build up of vapors. Heat, sparks and open flame. Avoid free fall.

INCOMPATIBILITY (MATERIALS TO AVOID)
Oxidizers, acids and bases.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Burning or decomposing film may give off carbon dioxide and or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Breathing difficulty, lightheadedness, headache, dizziness and nausea. Irritation to the nose, throat and lungs.
Prolonged inhalation may lead to mucous membrane irritation, central nervous system depression, and unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Irritation and watering of the eyes.
Prolonged or repeated contact can cause blurred vision and corneal injury.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Irritation of skin, redness and possible swelling.
Prolonged or repeated contact can cause dermatitis, defatting. Can be absorbed through skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Choking difficulty in breathing, gastrointestinal irritation, nausea and vomiting.
Nervous system depression, which can include drowsiness, dizziness, loss of coordination and fatigue.

HEALTH HAZARDS (ACUTE AND CHRONIC)
Breathing difficulty, headache, dizziness, nausea and irritation to the respiratory tract. Causes eye and skin irritation.
Irritation of the digestive tract and nervous system depression.
Prolonged and repeated overexposure may cause permanent brain and or nervous system damage. Can cause dermatitis.
Sanding dust inhalation may cause lung damage. Intentional misuse through inhalation may be harmful or fatal.

CARCINOGENICITY: NTP? NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO
This product may contain trace amounts of crystalline silica, which is considered a hazard by inhalation that can cause silicosis.
Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

SECTION VI - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Ingredients in this product are reported to aggravate preexisting eye, skin, respiratory, kidney and liver disorders.

EMERGENCY AND FIRST AID PROCEDURES
Eye contact: Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.
Inhalation: Remove to fresh air. Administer oxygen if necessary. Seek immediate medical attention.
Skin contact: Wash thoroughly with soap and water. If irritation persists, get medical attention.
Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water to dilute. Obtain medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Avoid contact and breathing of vapors. Ventilate area. Remove ignition sources. Dike and absorb with absorbent material.
Use nonsparking tools to return material to container. Prevent material from entering sewers or open bodies of water.

WASTE DISPOSAL METHOD
Do not incinerate closed containers.
Dispose of in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep out of reach of children. Do not take internally. Avoid contact with eyes and prolonged contact with skin.
When storing, close tightly, keep upright, away from fire and high temperatures. Transfer to approved containers with complete and appropriate labeling. Avoid freefall and ground containers when transferring. Do not cut or weld empty drum.
Remove contaminated clothing and launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

OTHER PRECAUTIONS
Warning! If you scrape, sand or remove an old coating, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION
Use only with adequate ventilation. Provide adequate fresh air entry. If not wear the proper respiratory protection.
If ventilation is inadequate use an organic vapor/particulate respirator approved by NIOSH/MSHA for spray/mist vapors.
When sanding a dried coating film use a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated.

VENTILATION
Local exhaust preferable. If venting, discharge exhaust away from ignition sources.
If in confined areas, use mechanical ventilation to keep vapor concentration under permissible TLV and LEL.

PROTECTIVE GLOVES
Solvent impermeable rubber gloves required during repeated contact.

EYE PROTECTION
Splash resistant and spray mist protection required. Use splash goggles or safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
Clothing adequate to protect skin. Remove and wash before reuse.
Eye wash, safety shower.

WORK/HYGIENIC PRACTICES
Normal industrial hygienic practices should be followed. Wash hands before eating, smoking or using the washroom.

SECTION IX - TRANSPORTATION DATA

DOT
Non-Bulk Not Regulated (Combustible liquid Non-Bulk)

IMDG
IMDG Code 2.3.2.5 - exempted from marking, labeling and testing of packages

SECTION X - STATE ADDENDUM

Ingredient	CAS Number	Notes
MINERAL SPIRITS	8052-41-3	A Washington State Permissible Exposure for Air Contaminants material
MINERAL SPIRITS	8052-41-3	A Massachusetts Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Minnesota Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Pennsylvania Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Florida Toxic Substance List material
MINERAL SPIRITS	8052-41-3	A New Jersey RTK Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Massachusetts Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Minnesota Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Pennsylvania Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Washington State Permissible Exposure for Air Contaminants material
PETROLEUM ASPHALT	8052-42-4	A Florida Toxic Substance List material
PETROLEUM ASPHALT	8052-42-4	Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.
KAOLIN	1332-58-7	A Minnesota Hazardous Substance List material
KAOLIN	1332-58-7	A Pennsylvania Hazardous Substance List material
ATTAPULGITE	12174-11-7	Attapulgite may contain chemicals known to the State of California to cause cancer
CELLULOSE FIBER	9004-34-6	A Massachusetts Hazardous Substance List material
CELLULOSE FIBER	9004-34-6	A Minnesota Hazardous Substance List material
CELLULOSE FIBER	9004-34-6	A Pennsylvania Hazardous Substance List material
CELLULOSE FIBER	9004-34-6	A Washington State Permissible Exposure for Air Contaminants material
AROMATIC 100	64742-95-6	See current Material Safety Data Sheet
LATEX EMULSION	9003-55-8	See current Material Safety Data Sheet

SECTION XI - DISCLAIMER

All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.

TROPICAL ROOFING PRODUCTS

#509 ALL WEATHER MODIFIED MASTIC

TROPICAL ROOFING PRODUCTS' #509 ALL WEATHER MODIFIED MASTIC is a superior grade rubber modified mastic that adheres to all surfaces wet or dry. #509's unique formulation is designed for repairing leaks, cracked spots, holes in shingles, concrete, and steel or metal roofs and has excellent wet surface adhesion. #509 can be used on all flashings around skylights, gutters, and in all crevices. #509 All Weather Modified Mastic is ready to use as it comes out of the can and can be applied with a trowel, knife, or gloved hand. #509 All Weather Modified Mastic is a carefully mixed homogeneous blend of high-grade fibers, select asphalt, minerals, plasticizers, and aromatic hydrocarbons. #509 All Weather Modified Mastic readily adheres to all prepared surfaces. #509 will not sag, slip or mudcrack, and will remain highly resilient and durable through all seasons. #509 All Weather Modified Mastic meets and exceeds all the requirements of ASTM D4586 and D3409.

PREPARATION: Surface must be clean and free from rust or any other foreign matter that would interfere with a good bond. For best results in cold weather, store at room temperature for 24 hours prior to application.

APPLICATION: Use a trowel, putty knife or gloved hand to repair cracks, tears, holes, and breaks by applying cement 1/8" to 1/4" thick. Apply and work cement into break or crack, then apply cement 2"–4" beyond the problem area feathering the edges. Embed fabric to reinforce cement, then cover with additional cement, if problem area is over 1/4" wide or 2" long.

COVERAGE: Apply at a minimum rate of 1/8". Approximate coverage 12 square feet per gallon.

PRECAUTIONS: DO NOT ALLOW TO FREEZE. DO NOT THIN. DO NOT HEAT CONTAINER or store at temperatures greater than 120°F. Be sure the lid is tight and the pail is secured when transporting this product. Do not allow pail to tumble as this may loosen the lid and allow leakage or spillage to occur.

CLEANUP: Clean tools with mineral spirits or paint thinner.

CAUTION! COMBUSTIBLE!

Contains petroleum distillate. Keep away from heat and flame. USE ONLY WITH ADEQUATE VENTILATION! Avoid contact with skin and breathing of vapor. CLOSE AIR INTAKES on roof until solvents dissipate. KEEP OUT OF REACH OF CHILDREN. Close container after each use. DO NOT TAKE INTERNALLY! If swallowed, do not induce vomiting. CALL PHYSICIAN IMMEDIATELY! Contains volatile solvents that might contaminate potable water

MAXIMUM V.O.C = 250 G/L
CONSISTENCY — THICK SOFT MASTIC
WEIGHT — 8.7 LBS. PER GAL
FLASH POINT (T.C.C.) — 105°F+
SERVICE TEMPERATURE (RANGE) — 40°F - 90°F
RESISTANCE TO ACIDS, ALKYDS — EXCELLENT

ASTM - D4586
ASTM - D3409

MIAMI-DADE COUNTY APPROVED

PRI VALIDATION PROGRAM

FLORIDA
1904 SW 31ST AVE
HALLANDALE, FL 33009
800.432.2855

CALIFORNIA
14435 MACAW STREET
LA MIRADA, CA 90638
877.827.2622

TEXAS
1225 BRAI DRIVE
PORT ARTHUR, TX 77640
866.727.0091

City of Riverside Fire Dept.
Initial
Reviewed RCB
CAD DJS
Office Computer JCA

BUSINESS EMERGENCY PLAN

JUL 7 1989
CITY OF RIVERSIDE FIRE DEPT.

DATE: 7-5-89

SECTION I: GENERAL FACILITY INFORMATION AND PROCEDURE

A. **Business Identification:**

BUSINESS NAME (DBA): Wolverine Western Corp.

BUSINESS ADDRESS: 3087 12th St. Riverside
number street suite

MAILING ADDRESS: Same
number street suite

city state zip

BUSINESS PHONE: 684-3800

PRIMARY CONTACT: Don Thousand
first name last name

TITLE: V. P.

PHONE #: Work 684-3800 Residence 642-5313

TYPE BUSINESS OPERATION: Mfg.
(i.e., retail, manufacturing, research, etc.)

PROPERTY OWNER: Wolverine Western
first name last name

MAILING ADDRESS: Same
number street suite

city state zip

PHONE #: Work 684-3800 Residence

OCCUPANCY CODE: A-200 HOURS OF OPERATION: 6:30-3:00
(i.e., B-2, H-2)

NUMBER OF SHIFTS: 1 NUMBER OF EMPLOYEES: 10

SIC CODE:* DUN and BRADSTREET #:** 08-609-6989

* SIC #: Enter the primary Standard Industrial Classification (SIC) code number for your facility. If your business does not know this information, contact Cal OSHA Consultation Service at (213) 861-9991 to obtain your business SIC code.

** Dun and Bradstreet #: Enter the Dun and Bradstreet number for your business. If your business does not have this information, contact the Regional Office of Dun and Bradstreet at (818) 908-5700 to obtain your business's number.

B. **Emergency Contact Information (after business hours):**

1. A business shall appoint an Emergency Coordinator and Alternate Emergency Coordinator.

2. In the event of a release or threatened release of a hazardous material the Emergency Coordinator will be responsible for initiating response actions by the business, to include mitigation, control, and evacuation of the facility personnel.

3. The Emergency Coordinator shall have full access to the facility, site familiarity, and authority to make decisions for the business.

EMERGENCY COORDINATOR: Jack (first name) Thousand (last name)

PHONE #: Work 684-3800 Residence 830-5190

ALTERNATE EMERGENCY COORDINATOR: Steve (first name) Krueger (last name)

PHONE #: Work 684-3800 Residence 687-3503

C. **Emergency Notification:**

A handler of hazardous materials is required to immediately report any release or threatened release of a hazardous material to:

	Phone Number
1. Riverside Fire Department	911
2. Office of Emergency Services	(800) 852-7550 or (916) 427-4341

INFORMATION REQUIRED:

- Name of person reporting
- Name of business
- Business street address
- Business phone number
- Location of the incident
- Type incident (spill, gas release, threatened release, etc.)
- Name of Hazardous Material involved
- Media in which release occurred (solid, liquid, or gas)
- Estimated volume of materials involved
- Is the chemical on the Section 302 list
- Time and duration of release
- Precautions
- Any injuries
- Extent of injuries
- Possible hazards to human health and/or the environment
- Medical treatment for acute/chronic health risks

FAILURE TO REPORT A RELEASE OR THREATENED RELEASE OF A HAZARDOUS MATERIAL MAY RESULT IN CIVIL AND/OR CRIMINAL PROSECUTION.

A LATE FEE OF 50% SHALL BE ASSESSED IF THE BUSINESS EMERGENCY PLAN IS NOT RECEIVED WITHIN 30 DAYS OF THE DATE DUE.

FAILURE TO SUBMIT A BUSINESS EMERGENCY PLAN IS A MISDEMEANOR AND SHALL RESULT IN PROSECUTION.

I (AUTHORIZED REPRESENTATIVE) CERTIFY UNDER PENALTY OF PERJURY THAT I HAVE REVIEWED THIS EMERGENCY BUSINESS PLAN AND UNDERSTAND MY RESPONSIBILITIES; AND THAT THE INFORMATION CONTAINED WITHIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

OWNER/OPERATOR SIGNATURE: D. Thourand DATE 7-5-89

NAME (PRINT) Don Thourand TITLE V.P.

A COPY OF THIS PLAN SHALL BE RETAINED AT YOUR BUSINESS.

Incomplete

RIVERSIDE FIRE DEPARTMENT
HAZARDOUS MATERIALS INVENTORY FORM

1. DATE: 28 March 1989
PAGE: 1 OF: 5

2. BUSINESS NAME: WOLVERINE WESTERN CORPORATION
ADDRESS: 3087 12th STREET, RIVERSIDE, CA. 92507 SUITE/RM: PHONE: (714) 684-3800
MAILING ADDRESS: SAME
(Street) (City) (Zip)

MAY 2 1989

3. REPRESENTATIVES OF THE BUSINESS DURING EMERGENCIES:

#1 NAME: JACK THOUSAND TITLE: V. PRES.-PRODUCTION TEL.#: (714) 830-5190
#2 NAME: STEVE KRUEGER TITLE: DESIGN ENGINEER TEL.#: (714) 687-3503
#3 NAME: DON THOUSAND TITLE: V. PRES.-ADMIN. TEL.#: (714) 642-5313

4. DESCRIBE YOUR BUSINESS OPERATIONS:
DESIGN & BUILD SPECIALTY VEHICLES

5. UN# NA#	6. CAS #	7. MAX. ON HAND	8. USED ANNUALY	9. CHEMICAL NAME COMMON NAME	10. LOCATION ON SITE	11. HOW USED	12. WASTE AMOUNT
	74-86-2	1200 cu.ft.	12,000 cu.ft.	Acetylene; acetylen Ethine, Narcylene	Assembly Area	Cutting Torch	Ø
	7782-4407	1200 cu.ft.	12,000 cu.ft.	Oxygen; O_2	Assembly Area	Cutting Torch	Ø
	7440-37-1 7440-59-7	400 cu.ft.	4000 cu.ft	Argon - Helium Mixture; HE-75	Assembly Area	Welding	Ø
	124-38-9 7440-37-1	1000 cu. ft.	10,000 cu.ft.	Carbon Dioxide-Argon Mixture C-8	Assembly Area	Welding	Ø
	124-38-9	1200 cu.ft.	12,000 cu.ft.	Carbon Dioxide C-02	Assembly Area	Welding	Ø
	16919190	5,000 #	50,000 #	Ammonium Silicofluoride New Sour D	Warehouse	Stored	Ø
	1310732	50,000 #	500,000#	Sodium Hydroxide QBT	Warehouse	Stored	Ø
	6834-92-0			Sodium Metasilicate QBI	Warehouse	Stored	Ø
	1310732	19,200#	192,000#	Sodium Hydroxide Linen Blend #4	Warehouse	Stored	Ø
	6834-92-0			Sodium Metasilicate Linen Blend #4	Warehouse	Stored	Ø
	26027-38-3			Nonylphenol Polyethylene Linen Blend #4	Clycol Warehouse	Stored	Ø
	1310732	60,000#	600,000#	Sodium Hydroxide Flash II	Warehouse	Stored	Ø

13. CALCULATE ADMINISTRATIVE FEE. (REFER TO PAGE 7-8)
$ Ø

14. I DECLARE UNDER PENALTY OF PERJURY, THE INFORMATION PROVIDED ON THIS FORM IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
SIGNATURE: TITLE: Vice President DATE: 28 Mar.89

RIVERSIDE FIRE DEPARTMENT
HAZARDOUS MATERIALS INVENTORY FORM

1 DATE: 28 March 1989
PAGE: 2 OF: 5

2. BUSINESS NAME: WOLVERINE WESTERN CORPORATION SUITE/RM: PHONE: (714) 684-3800
ADDRESS: 3087 12th STREET, RIVERSIDE, CA. 92507
MAILING ADDRESS: SAME
(Street) (City) (Zip)

3. REPRESENTATIVES OF THE BUSINESS DURING EMERGENCIES:

#1 NAME: TITLE: TEL.#:
#2 NAME: TITLE: TEL.#:
#3 NAME: TITLE: TEL.#:

4. DESCRIBE YOUR BUSINESS OPERATIONS:

5. UN# NA#	6. CAS #	7. MAX. ON HAND	8. USED ANNUALY	9. CHEMICAL NAME COMMON NAME	10. LOCATION ON SITE	11. HOW USED	12. WASTE AMOUNT
	6834-92-0			Sodium Metasilicate Flash II	Warehouse	Stored	Ø
	26027-38-3	2000#	20,000#	Polyethylene Glycol Ether Flash II	Warehouse	Stored	Ø
	68131-39-5			Primary Alcohol Ethoxylate LA IV	Warehouse	Stored	Ø
	6834-92-0	50,000#	500,000#	Sodium Metasilicate Extra	Warehouse	Stored	Ø
	26027-38-3			Nonylphenol Polyethylene Glycol Ether Extra	Warehouse	Stored	Ø
	37311-02-7	880 GAL	8,800 Gal	Alkoxylate Linear Alcohol LT-2	Warehouse	Stored	Ø
	26027-38-3	2000#	20,000#	Nonylphenol Polyethylene Clycol Ether Super 42/50	Warehouse	Stored	Ø
	6834-92-0	57,600#	576,000#	Sodium Metasilicate Industrial Blend #3	Warehouse	Stored	Ø
	26027-38-3			Nonylphenol Polyethylene Glycol Ether Industrial Blend #3	Warehouse	Stored	Ø
	26027-38-3	1375 Gal	13,750 Gal	Nonylphenol Polyethylene Glycol Ether New Detergent	Warehouse	Stored	Ø
	26027-38-3	1100 Gal	11,000 Gal	Nonylphenol Polyethylene Glycol Ether Power Scour III	Warehouse	Stored	Ø
	37311-02-7			Alkoxylate Linear Alcohol Power Scour III	Warehouse	Stored	Ø

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RIVERSIDE FIRE DEPARTMENT
HAZARDOUS MATERIALS INVENTORY FORM

1 DATE: 28 March 1989
PAGE: 3 OF: 5

2. BUSINESS NAME: WOLVERINE WESTERN CORPORATION SUITE/RM: PHONE: (714) 684-3800
ADDRESS: 3087 12th STREET, RIVERSIDE, CA. 92507
MAILING ADDRESS: SAME
(Street) (City) (Zip)

3. REPRESENTATIVES OF THE BUSINESS DURING EMERGENCIES:

#1 NAME: TITLE: TEL.#:
#2 NAME: TITLE: TEL.#:
#3 NAME: TITLE: TEL.#:

4. DESCRIBE YOUR BUSINESS OPERATIONS:

5. UN# NA#	6. CAS #	7. MAX. ON HAND	8. USED ANNUALY	9. CHEMICAL NAME COMMON NAME	10. LOCATION ON SITE	11. HOW USED	12. WASTE AMOUNT
	8008-20-6			Aliphatic Petroleum Oistillate Power Scour III	Warehouse	Stored	Ø
	6834-92-0	75 Gal	750 Gal	Sodium Metasilicate Magic Formula	Warehouse	Stored	Ø
	26027383			Ethoxylated Nonylphenol Magic Formula	Warehouse	Stored	Ø
	78-90-1	2000#	20,000#	Trichloro-Triazlnetrione New Bleach 16%	Warehouse	Stored	Ø
	37311-02-7	2000#	20,000#	Alkoxylated Linear Alcohol Stain Out	Warehouse	Stored	Ø
	111762			Ethylene Glycol Monobutyl Ether Stain Out	Warehouse	Stored	Ø
	2893-78-9	330 Gal	3300 Gal	Sodium Dichloro-s-Triazinetrione Safe T Bleach	Warehouse	Stored	Ø
	16893-85-9	1000#	10,000#	Sodium Silicofluoride Rust Out Sour	Warehouse	Stored	Ø
	16893-85-9	1000#	10,000#	Sodium Silicofluoride Fluorescent Sour	Warehouse	Stored	Ø
	16893-85-9	400#	4,000#	Sodium Silicofluoride Soda Sour	Warehouse	Stored	Ø
	7631905	7500#	75,000#	Sodium Silicofluoride Sodium Bisulfite	Warehouse	Stored	Ø
	107-64-2	2500#	25,000#	Dimethyl Distearyl Ammonium Chloaide Fresh & Brite	Warehouse	Stored	Ø

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RIVERSIDE FIRE DEPARTMENT
HAZARDOUS MATERIALS INVENTORY FORM

1 DATE: 28 March 1989
PAGE: 4 OF: 5

2. BUSINESS NAME: WOLVERINE WESTERN CORPORATION
ADDRESS: 3087 12th STREET, RIVERSIDE, CA. 92507 SUITE/RM: PHONE: (714) 684-3800
MAILING ADDRESS: SAME
(Street) (City) (Zip)

3. REPRESENTATIVES OF THE BUSINESS DURING EMERGENCIES:

#1 NAME: TITLE: TEL.#:
#2 NAME: TITLE: TEL.#:
#3 NAME: TITLE: TEL.#:

4. DESCRIBE YOUR BUSINESS OPERATIONS:

5. UN# NA#	6. CAS #	7. MAX. ON HAND	8. USED ANNUALY	9. CHEMICAL NAME COMMON NAME	10. LOCATION ON SITE	11. HOW USED	12. WASTE AMOUNT
	8001-54-5	30 Gal	300 Gal	Benzyl Ammonium Chloride Bar Dac	Warehouse	Stored	Ø
	68424-17-5			Dimethyl Ammouium Chloride Bar Dac	Warehouse	Stored	Ø
	64-17-5			Ethyl Alcohol Bar Dac	Warehouse	Stored	Ø
	7772-98-7	5000#	50,000#	Sodium Thiosulfate	Warehouse	Stored	Ø
	26530-20-1	220 Gal	2200 Gal	Octyl For Isothlazolin Kathlon L.M.	Warehouse	Stored	Ø
	57-55-6			Propylene Glycol Kathlon L.M.	Warehouse	Stored	Ø
	67630	1250#	12500#	Isopropyl Alcohol Nusoft	Warehouse	Stored	Ø
	144627	1250#	12500#	Oxalic Acid	Warehouse	Stored	Ø
	10343-61-0	100 Gal	1000 Gal	Titanium Sulfate TS Stripper	Warehouse	Stored	Ø
	10343-61-0			Sulfuric Acid TS Stripper	Warehouse	Stored	Ø
	10343-61-0			Zinc Powder TS Stripper	Warehouse	Stored	Ø
	992-59-6	300#	3000#	Union Red	Warehouse	Stored	Ø

13. CALCULATE ADMINISTRATIVE FEE. (REFER TO PAGE 7-8)
$

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SIGNATURE: TITLE: Vice President DATE: 28 Mar 89

RIVERSIDE FIRE DEPARTMENT
HAZARDOUS MATERIALS INVENTORY FORM

1 DATE: 28 March 1989
PAGE: 5 OF: 5

2. BUSINESS NAME: WOLVERINE WESTERN CORPORATION SUITE/RM: PHONE: (714) 684-3800
ADDRESS: 3087 12th STREET, RIVERSIDE, CA. 92507
MAILING ADDRESS: SAME
(Street) (City) (Zip)

3. REPRESENTATIVES OF THE BUSINESS DURING EMERGENCIES:

#1 NAME: TITLE: TEL.#:
#2 NAME: TITLE: TEL.#:
#3 NAME: TITLE: TEL.#:

4. DESCRIBE YOUR BUSINESS OPERATIONS:

5. UN# NA#	6. CAS #	7. MAX. ON HAND	8. USED ANNUALY	9. CHEMICAL NAME COMMON NAME	10. LOCATION ON SITE	11. HOW USED	12. WASTE AMOUNT
	2429-79-0	300#	3000#	Direct Orange	Warehouse	Stored	Ø
	15630-89-4	100#	1000#	FB Sodium Percarbonate	Warehouse	Stored	Ø

13. CALCULATE ADMINISTRATIVE FEE. (REFER TO PAGE 7-8)
$

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SIGNATURE: TITLE: Vice President DATE: 28 Mar 89

County of Riverside • Community Health Agency • Department of Environmental Health
Environmental Protection & Oversight Division • Hazardous Materials Management

OOB 7/18/12

Change of Status Form

MANDATORY: INFORMATION MUST BE COMPLETED FOR ALL CHANGE OF STATUS REQUESTS.

Date: 7/3/12 **Facility I.D.** FA0037824 ☐ New **Specialist:** R. Guerrero

ENTER INFORMATION TO BE CHANGED

Type	Former/OOB Information	Current Information
DBA/Facility Name	Solarmax Technologies	
Facility Address	3080 12th st	
	Riverside CA 92501	
Facility Phone Number	626-965-4286	
Facility Contact Name	Stephanie Wang	
Mailing Address	17011 Green St	
	City of Industry	☐ Same
Owner Name	Solarmax Technologies	
Owner Phone Number	626-965-4286	

Jurisdiction: ☐ Banning ☐ Corona ☒ Riverside ☐ All Other/Unincorporated

Type of Change Requested (Check all that apply.)

☐ New Facility
☐ New Permit
☐ New Owner
☐ Change of Address Only
☐ Facility Moved
☐ Billing Invoice Needed
☐ Bulk Liquid CO_2
☒ OOB (Out of Business)

☐ **Mail:** ____ UST Application(s) ____
____ UST New Owner Packet
____ Generator Application
____ Business Emergency Plan Packet
____ Other ____
☐ Completed by OA ____ *(Initials)*

☐ Cal-ARP
☐ Tiered Permitting

☐ Generator
Number of Employees ____
☐ Disclosure
Current Level ____
Revised Level ____

☒ Tanks
Number of tanks 4
Tank I.D.# #1 #2 #3 #4
Tank Contents gasoline
Tank Size 1K 1K 1K 1K
☐ Tank(s) Added
☒ Tank(s) Removed ~~4~~ 1, 3 UST's abandoned-in place
☒ Plan Check # 12-042
☒ SR # SR0025926

☐ BOE # In Process__
[Board of Equalization UST Storage Fee Acct. #]

Comments: Facility out of business at this location. All UST's closed at this location
removed for Bunchek

Forward COS form for review and initial & date by the following sequence after completion.

1) Supervisor SB 7/12/12 (Initial / Date) 2) Accounting [initials] 7/18/12 (Initial / Date) 3) OA [initials] 07/24/12 (Initial / Date)

COS Form submitted ☒

County of Riverside
Department of Environmental Health
Environmental Protection & Oversight Division
Hazardous Materials Management Branch

Facility Name: ***Solarmax Technology***		Date: ***July 2&3rd 2012***
Facility Address: ***3080 12th Street Riverside***		Plan Check #: ***12-042***
Facility Contact Person:	Phone:	Facility ID: FA0037824
Contractor***: Reynolds Group***	Phone***: 714-920-9310***	No. of Tanks: **4**
HMMS Personnel: ***Richard Guerrero***		No. of Tanks Remaining: ~~0~~ 3

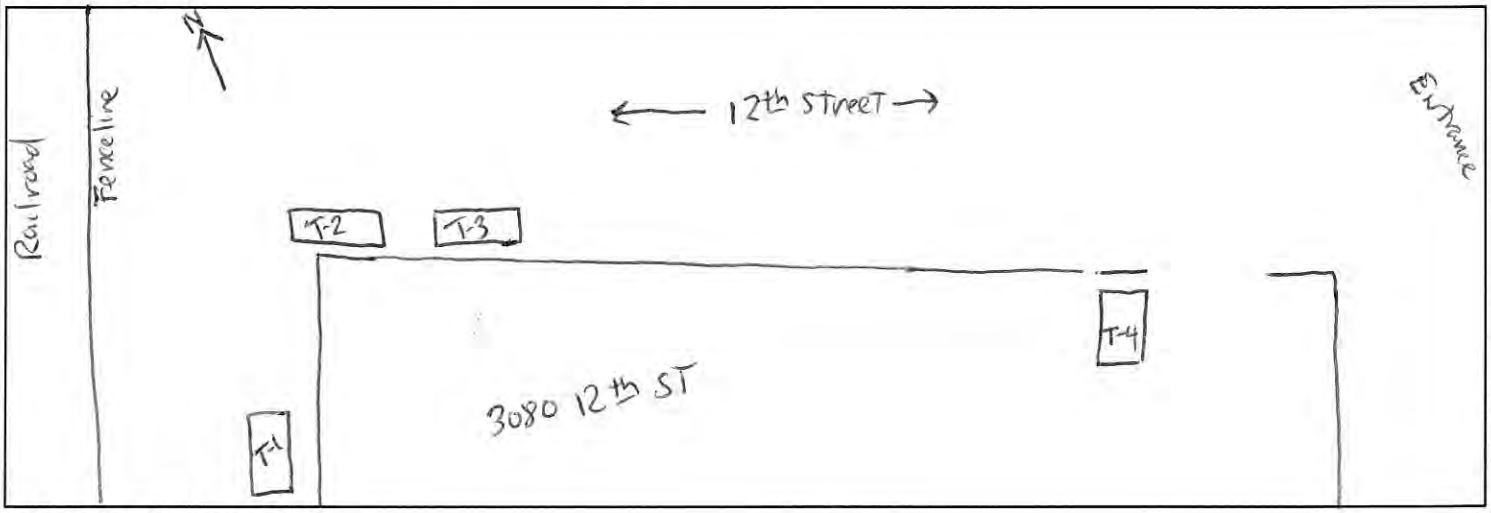
1 Tank Removed + Abandoned In-place

REMOVAL

Tank #	Size	Contents	Appearance (Integrity)
1	1,000	gasoline	good
2	1,000	gasoline	good
3	1,000	gasoline	good
4	1,000	gasoline	good

UST(s) Rinsed: **yes**
Rinsate Manifest #: **Non haz DT-22121**
Destination of Rinsate: **Demenno Kerdoon**
Hazardous Waste Hauler: **Nieto & Sons**
UST(s) Inerted: **Dry Ice**
Destination of UST(s): **AMR Recycling**
Certificate of Destruction Requested: **yes**

FACILITY MAP



SAMPLE INFORMATION

Tank #	Sample #	Depth	Description	Analysis
1	T1-s-2ft	2ft		8260B
1	T1-S-6ft	6ft		8260B
1	T1-N-2ft	2ft		8260B
2	T2-E-4ft	4ft		8260B
2	T2-E-6ft	6ft		8260B
2	T2-W-4ft	4ft		8260B
3	T3-E-4ft	4ft		8260B
3	T3-E-6ft	6ft		8260B
3	T3-W-4ft	4ft		8260B
4	T4-S-4ft	4ft		8260B

Depth to UST bottom: **8ft**
Depth to groundwater: **n/a**
Samples sealed and chilled: **yes**
Chain of Custody: **yes**
CA Certified Lab: **C & E Laboratories**
Status of excavated materials**: good**
URR Issued**: n/a**
Referred to LOP:
ADDITIONAL COMMENTS:

REVISED 02/2008

Additional Sample Information

Tank #	Sample #	Depth	Description	Analysis
4	T4-S-6ft	6ft		8260B
4	T4-N-4ft	4ft		8260B

ADDITIONAL COMMENTS:

TEMPORARY CLOSURE

Tank contents removed:

Manifest #:

Hazardous Waste Hauler:

Witnessed sticking of empty UST(s):

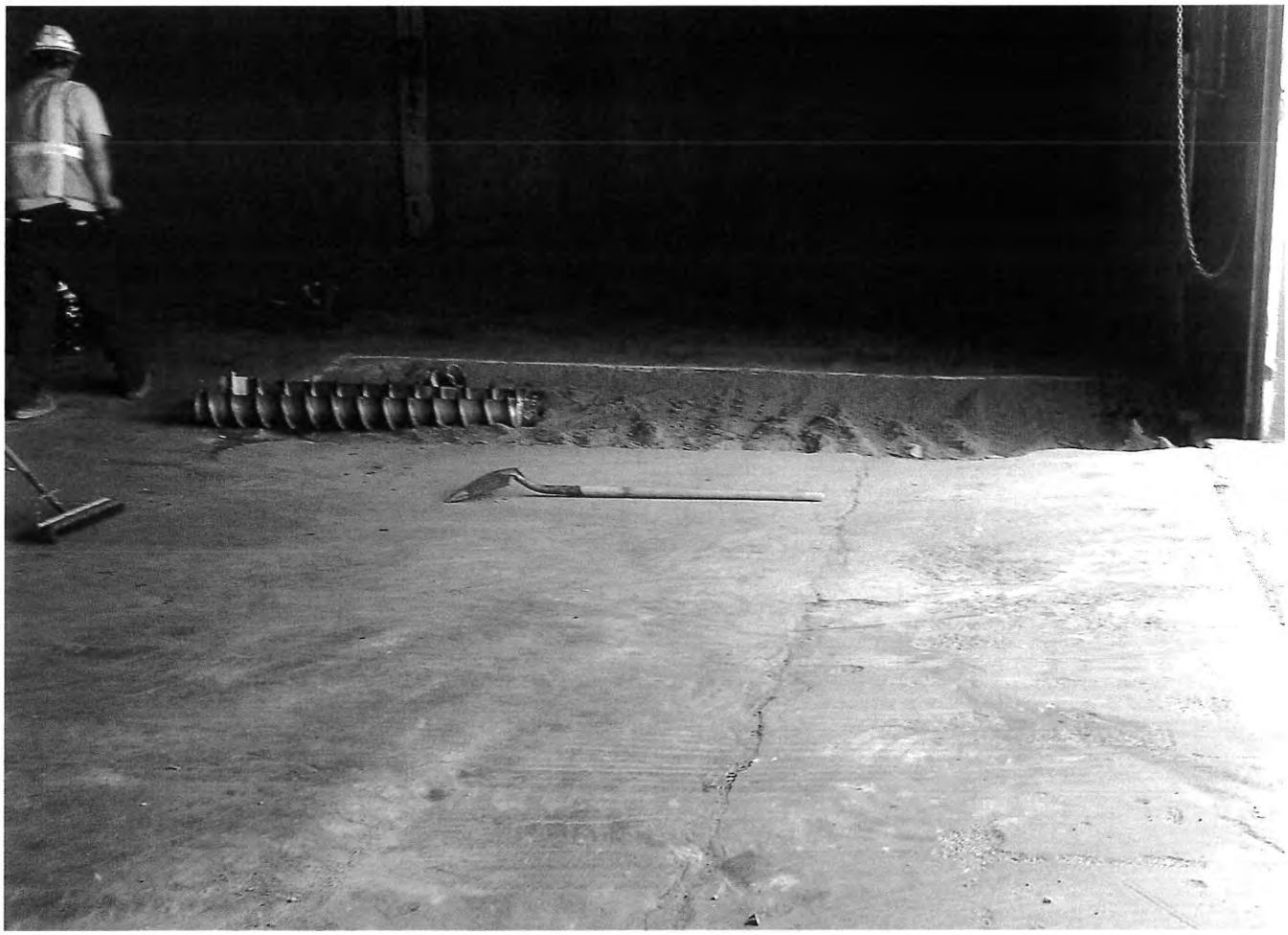
Lock on fill cap(s):

Power disconnected:

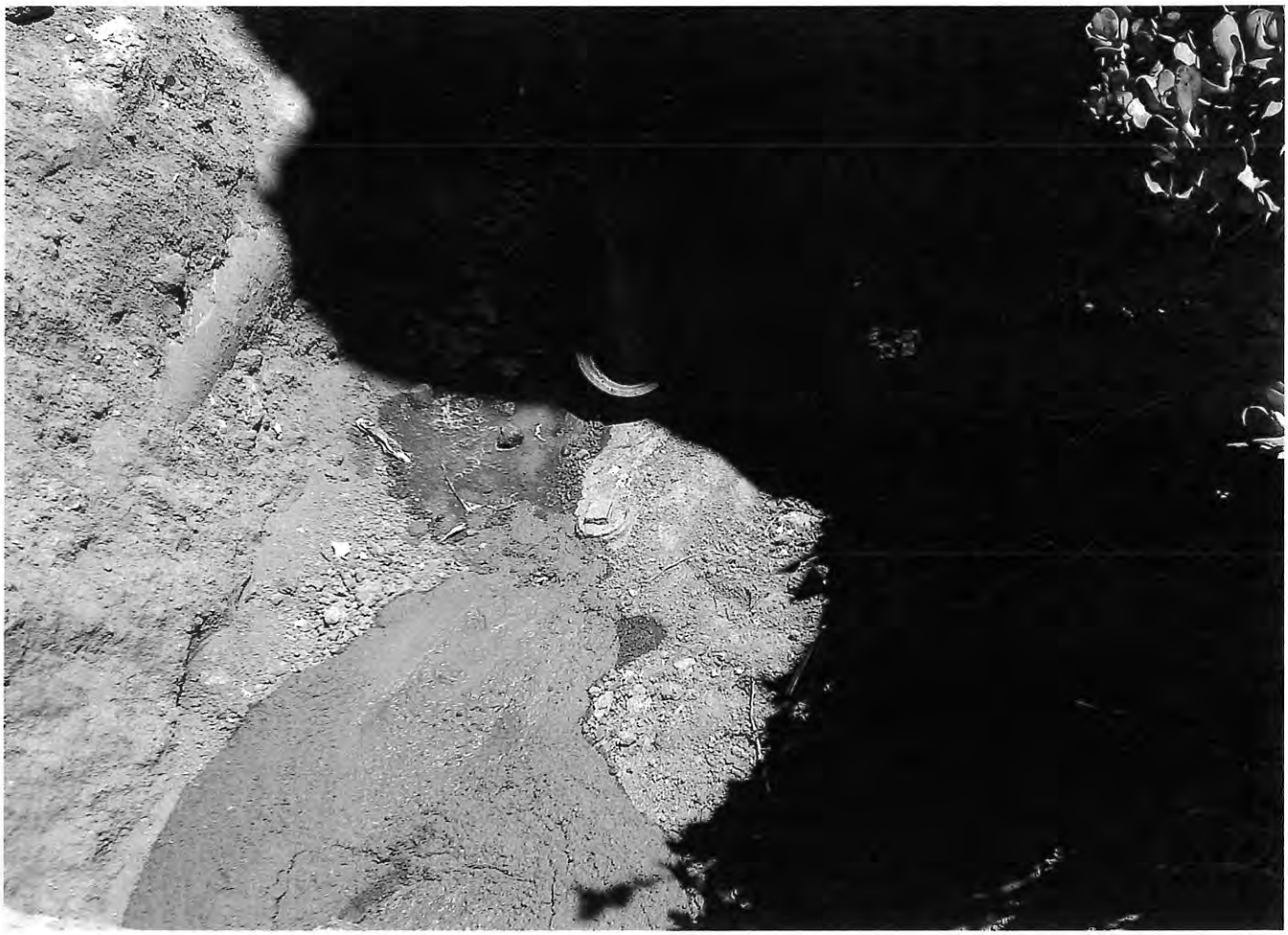
ADDITIONAL COMMENTS:

Ziploc®
0855

Vending Machine
Sales & Service
(951)276-2285
ROSS
VENDING



DEERE



DEERE
4FD8138

RIVERSIDE DOWNTOWN

Certified Unified Program Agency
County of Riverside Community Health Agency
Department of Environmental Health
Hazardous Materials Management Division

Attached pictures

Supplemental Report

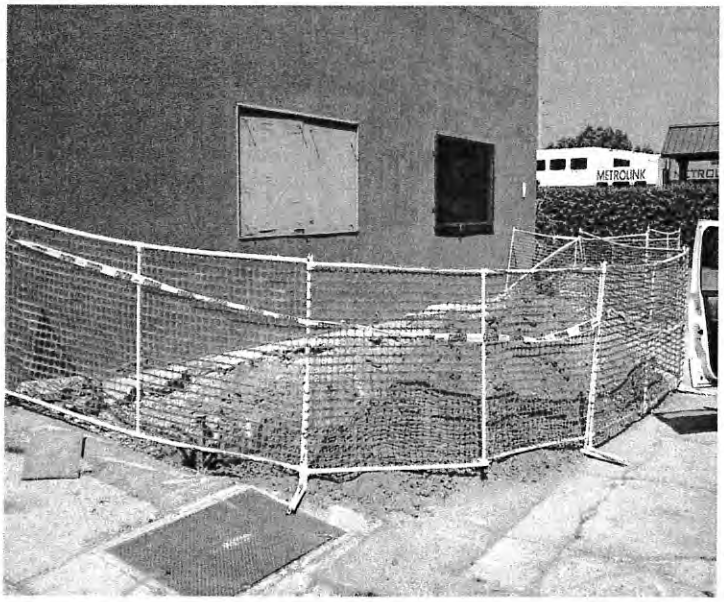
Date: *June 20, 2012*

Name: *Solarmax Technologies*

Address: *3080 12th St. Riverside CA 92507*

Re: *UST Closure site walk* Facility# *12-042*

Remarks:
Site of abandoned USTs that need to be either removed or abandoned in place. Pictures taken for Bernie Schleicher for reference



Specialist R. Guerrero Received By: attached pictures

Certified Unified Program Agency
County of Riverside Community Health Agency
Department of Environmental Health
Hazardous Materials Management Division

Attached pictures

Supplemental Report

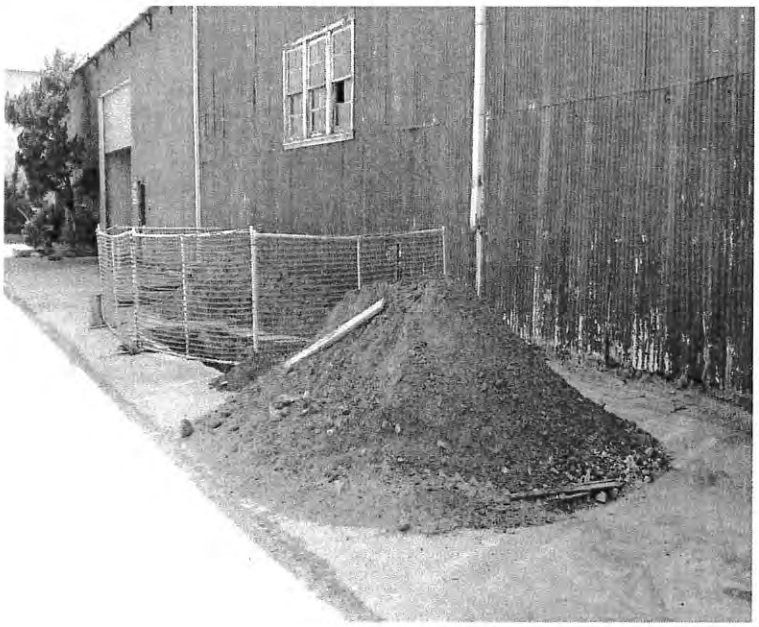
Date: *June 20, 2012*

Name: *Solarmax Technologies*

Address: *3080 12th St. Riverside CA 92507*

Re: *UST Closure site walk* Facility# *12-042*

Remarks:



Specialist R. Guerrero Received By: attached pictures

APPENDIX E

Historical Research Documentation

Ten APNs
3034 10th Street
Riverside, CA 92507

Inquiry Number: 5221946.5
March 16, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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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 1921 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 1320 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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Data by infoUSA®

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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	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2005	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2002	SBC PACIFIC BELL	-	X	X	-
	SBC PACIFIC BELL	X	X	X	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
1996	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1993	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell Yellow Pages	-	X	X	-
	Pacific Bell Yellow Pages	X	X	X	-
1981	Pacific Telephone	-	X	X	-
1977	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1967	Luskey Brothers & Co.	-	-	-	-
1966	Luskey Brothers & Company Inc.	-	X	X	-
	Luskey Brothers & Company Inc.	X	X	X	-
1961	Luskey Brothers & Co.	-	-	-	-
1960	Luskeys Brothers & Co., Publishers	X	X	X	-
1956	Luskey Brothers & Co.	-	-	-	-
1955	Luskeys Brothers & Co., Publishers	X	X	X	-
1951	Los Angeles Directory Co.	X	X	X	-
1946	Southern California Telephone Company	X	X	X	-
1945	Los Angeles Directory Co.	X	X	X	-
1941	Pacific Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	X	X	X	-
1936	Los Angeles Directory Co.	X	X	X	-
1931	Southern California Telephone Co.	-	-	-	-
1930	Los Angeles Directory Co.	X	X	X	-
1927	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Kaasen Directory Co.	-	-	-	-
1921	Riverside Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
3010 11th Street	Client Entered	X
3009 12th Street	Client Entered	X
3021 12th Street	Client Entered	X
3087 12th Street	Client Entered	X
3080 12th Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

3034 10th Street
Riverside, CA 92507

FINDINGS DETAIL

Target Property research detail.

10TH ST

3034 10TH ST

Year	Uses	Source
1960	Riv Poultry Colnc	Luskeys Brothers & Co., Publishers
1955	turkey processors	Luskeys Brothers & Co., Publishers
	Universal Marketing Co	Luskeys Brothers & Co., Publishers
1951	Universal Marketing Co Inc	Los Angeles Directory Co.
1946	Calif Farm Product Co	Southern California Telephone Company
	Universal Marketing Co Inc	Southern California Telephone Company
1945	Cal Farm Products Co whol eggs	Los Angeles Directory Co.
	Tjniversal Mkt Co	Los Angeles Directory Co.
1939	Whitehead Food Products	Los Angeles Directory Co.
1936	Whitehead Food Products Co	Los Angeles Directory Co.
1930	Whitehead flros Inc butter and eggs whol	Los Angeles Directory Co.

11TH ST

3010 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	CAMPBELL OIL CO	Pacific Bell
	TRIANGLE MAINTENANCE	Pacific Bell
1977	CAMPBE LL GLE N W Campbel Ol Oil Co	Pacific Telephone
1970	AMERICAN MINERAL SPIRITS COMPANY DIVISION OF UNION OIL COMPANY OF CALIFORNIA	Pacific Telephone
	CAMPBELL GLEN W Campbell Oil Co	Pacific Telephone
	CAMPBELL OIL CO	Pacific Telephone
1966	Campbell Oil Co 3010 11th St Riv Glen W Campbell	Luskey Brothers & Company Inc.
1960	Campbell Oil Cao	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1955	Campbell Oil Co	Luskeys Brothers & Co., Publishers
1951	Campbell Glen W Campbell Oil Co	Los Angeles Directory Co.
	Campbell Oil Co	Los Angeles Directory Co.

11th Street

3010 11th Street

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	CAMPBELL OIL CO	Pacific Bell
	TRIANGLE MAINTENANCE	Pacific Bell
1977	CAMPBE LL GLE N W Campbel Ol Oil Co	Pacific Telephone
1970	AMERICAN MINERAL SPIRITS COMPANY DIVISION OF UNION OIL COMPANY OF CALIFORNIA	Pacific Telephone
	CAMPBELL GLEN W Campbell Oil Co	Pacific Telephone
	CAMPBELL OIL CO	Pacific Telephone
1966	Campbell Oil Co 3010 11th St Riv Glen W Campbell	Luskey Brothers & Company Inc.
1960	Campbell Oil Cao	Luskeys Brothers & Co., Publishers
1955	Campbell Oil Co	Luskeys Brothers & Co., Publishers
1951	Campbell Glen W Campbell Oil Co	Los Angeles Directory Co.
	Campbell Oil Co	Los Angeles Directory Co.

12TH ST

3087 12TH ST

Year	Uses	Source
2014	ROSS VENDING	EDR Digital Archive
2010	ROSS VENDING	EDR Digital Archive
2005	AUTO BLUELINE SYSTEMS	EDR Digital Archive
	ROSS VENDING	EDR Digital Archive

12th Street

3009 12th Street

Year	Uses	Source
2002	Ballesteros Julia	SBC PACIFIC BELL
	REAR Balesteros Tommy V	SBC PACIFIC BELL
	REAR Ballesteros	SBC PACIFIC BELL
2001	BALLESTEROSO	Haines & Company, Inc.

FINDINGS

Year	Uses	Source
2001	BALLESTREROSJu l	Haines & Company, Inc.
1996	Ballesteros O	Pacific Bell
	Ballestreros Julia	Pacific Bell
1990	Ballesteros	Pacific Bell
	Batlestreros Julia	Pacific Bell
1986	Ballestreros Julia	Pacific Bell Yellow Pages
1977	Ballesteros Tony	Pacific Telephone
1970	Ballesteros Tony	Pacific Telephone
1966	Ba llesteros Paul A Esther 3009 12th St Riv h 1 employee County	Luskey Brothers & Company Inc.
	Ballesteros Tony R Tillie 3009 12th St Riv h 2 employee National	Luskey Brothers & Company Inc.
1960	Ballesteros TR	Luskeys Brothers & Co., Publishers
1955	Lopez Gro	Luskeys Brothers & Co., Publishers
	Lopez Sostenes Mrs	Luskeys Brothers & Co., Publishers
1951	Ballesteros Tony r	Los Angeles Directory Co.
	Hernandez Ben A r	Los Angeles Directory Co.
1945	Lopez Sostemez Mrs gro	Los Angeles Directory Co.
1939	Lopez Sostemez Mrs gro	Los Angeles Directory Co.
	rear Sargosa Refugio	Los Angeles Directory Co.
1936	Lopez Sostenez Mrs gro	Los Angeles Directory Co.
1930	Torres Ysidro o	Los Angeles Directory Co.

3021 12th Street

Year	Uses	Source
2001	HERNANOEZAntonio	Haines & Company, Inc.
1977	Lopez Aurelio L	Pacific Telephone
1966	Hernandez Felipe Victoria 3021 12th St Riv h	Luskey Brothers & Company Inc.
1960	Hernandez Mary Mrs	Luskeys Brothers & Co., Publishers
1955	Hernandez V L Mrs	Luskeys Brothers & Co., Publishers
1945	Hernandez Antonio	Los Angeles Directory Co.
1939	Hernandez Antonio	Los Angeles Directory Co.
1936	Hernandez Antonio	Los Angeles Directory Co.
1930	Hernandez Antonio	Los Angeles Directory Co.
	Hernandez Antonio jr	Los Angeles Directory Co.

3087 12th Street

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	WOLVERINE WESTERN CORP	Pacific Bell

FINDINGS

Year	Uses	Source
1986	Wolverine Western Corp	Pacific Bell Yellow Pages
	Wolverton V	Pacific Bell Yellow Pages
1939	Vacant	Los Angeles Directory Co.
1936	Parker Machine Works ma chy mfgrs	Los Angeles Directory Co.
1930	Parker G D machy mfr	Los Angeles Directory Co.

FINDINGS

ADJOINING PROPERTY DETAIL

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

10 OTH

3075 10 OTH

Year	Uses	Source
1977	Roal Citrus Co	Pacific Telephone

10TH

2904 10TH

Year	Uses	Source
2002	Olivas Ortega Sirina	SBC PACIFIC BELL

2912 10TH

Year	Uses	Source
2002	Hasell Richard	SBC PACIFIC BELL

2914 10TH

Year	Uses	Source
2002	Campos Carmen	SBC PACIFIC BELL

2931 10TH

Year	Uses	Source
2002	Monroy Rocio	SBC PACIFIC BELL

2933 10TH

Year	Uses	Source
2002	Sanchez Constantino	SBC PACIFIC BELL

2972 10TH

Year	Uses	Source
2002	Ayala Harley R	SBC PACIFIC BELL

3075 10TH

Year	Uses	Source
2002	ROYAL GROVES	SBC PACIFIC BELL

FINDINGS

3204 10TH

Year	Uses	Source
1981	Claytons Body Shop	Pacific Telephone

10TH PL

3131 10TH PL

Year	Uses	Source
1981	Contract Design Services	Pacific Telephone

10TH ST

2904 10TH ST

Year	Uses	Source
2001	ALVAREZJoel	Haines & Company, Inc.
1960	Kelly Geo	Luskeys Brothers & Co., Publishers

2906 10TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Ca Idwell JC	Luskeys Brothers & Co., Publishers
1955	Neal Allen	Luskeys Brothers & Co., Publishers
1951	Woods J M contr	Los Angeles Directory Co.
1946	Cox W H tile	Southern California Telephone Company
1945	Cox W H	Los Angeles Directory Co.
1939	Cox W H	Los Angeles Directory Co.
1936	Cox W H o	Los Angeles Directory Co.

2908 10TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers

2910 10TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers

2912 10TH ST

Year	Uses	Source
1960	Snowden AO	Luskeys Brothers & Co., Publishers

FINDINGS

2914 10TH ST

Year	Uses	Source
1960	Ormond JT Jr	Luskeys Brothers & Co., Publishers

2916 10TH ST

Year	Uses	Source
1960	Mouton Howard	Luskeys Brothers & Co., Publishers

2918 10TH ST

Year	Uses	Source
2001	LOPEZ Christian	Haines & Company, Inc.
1960	Sutton RP	Luskeys Brothers & Co., Publishers

2919 10TH ST

Year	Uses	Source
1981	Ang Uiano Javier	Pacific Telephone
1977	Mack H W	Pacific Telephone

2928 10TH ST

Year	Uses	Source
2001	SANTIBANEZF	Haines & Company, Inc.
1981	Volkert Arnold H	Pacific Telephone
1960	Rivera Frances	Luskeys Brothers & Co., Publishers
1955	R vera F 0 Mrs	Luskeys Brothers & Co., Publishers
1951	Rivera John r	Los Angeles Directory Co.
1946	Rivera Eleanor O r	Southern California Telephone Company
1945	Rivera Frances Mrs	Los Angeles Directory Co.
1939	Rivera Frances Mrs	Los Angeles Directory Co.
1936	Rivera Frances Mrs	Los Angeles Directory Co.
1930	Richmond Hattie Mv	Los Angeles Directory Co.

2929 10TH ST

Year	Uses	Source
2001	OVILLA Adolto	Haines & Company, Inc.
1990	Villa Adolfo	Pacific Bell
1986	Villa Adolfo	Pacific Bell Yellow Pages
1981	Villa Adolfo	Pacific Telephone
1977	Boyd Willis G	Pacific Telephone
1970	Boyd Willis G	Pacific Telephone
1966	Boyd Willis G Anne 2929 10th St Riv h processor Rotir	Luskey Brothers & Company Inc.

FINDINGS

Year	Uses	Source
1960	Boyd Willis	Luskeys Brothers & Co., Publishers
1955	Boyd Willis G	Luskeys Brothers & Co., Publishers
1951	Boyd Willis G r	Los Angeles Directory Co.
1946	Boyd Willis G r	Southern California Telephone Company
1945	residents	Los Angeles Directory Co.
1939	Boyd W G	Los Angeles Directory Co.
1936	Boyd W G o	Los Angeles Directory Co.
1930	Boyd W Q o	Los Angeles Directory Co.

2931 10TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Smith Mary N D	Luskeys Brothers & Co., Publishers
1955	Smith Mary Mrs	Luskeys Brothers & Co., Publishers

2933 10TH ST

Year	Uses	Source
2001	SANCHEZConslanlino	Haines & Company, Inc.
1960	Stevens Yvonne K	Luskeys Brothers & Co., Publishers
1955	Boyd Willis G Jr	Luskeys Brothers & Co., Publishers

2935 10TH ST

Year	Uses	Source
2001	ROMEROJose R	Haines & Company, Inc.
1955	Harris C C	Luskeys Brothers & Co., Publishers

2939 10TH ST

Year	Uses	Source
1981	Massey Effie Mae	Pacific Telephone

2944 10TH ST

Year	Uses	Source
1936	Lopez Cencio o	Los Angeles Directory Co.
	Landin Fred	Los Angeles Directory Co.
	King Hattie Mrs	Los Angeles Directory Co.

2946 10TH ST

Year	Uses	Source
1955	R vera John	Luskeys Brothers & Co., Publishers

FINDINGS

2949 10TH ST

Year	Uses	Source
1930	iyvera r rances Mr Rvera John	Los Angeles Directory Co.

2950 10TH ST

Year	Uses	Source
2001	JAUREZSigrtredo	Haines & Company, Inc.
1986	Vasquez Trinidad	Pacific Bell Yellow Pages
1960	Cabrera Lencha Mrs	Luskeys Brothers & Co., Publishers
	rear Hunter JC C	Luskeys Brothers & Co., Publishers
1955	Hunter Chas	Luskeys Brothers & Co., Publishers
	rear Collins J L	Luskeys Brothers & Co., Publishers
	Cabrera Lupe A	Luskeys Brothers & Co., Publishers
1951	Perez Josephine r	Los Angeles Directory Co.
	Cabrera Lupe A r	Los Angeles Directory Co.
1946	Stokes Theresa Mrs r	Southern California Telephone Company
1945	rear Kaufman Chas	Los Angeles Directory Co.
	Merriman Edmond	Los Angeles Directory Co.
1939	Kaufman C H glass	Los Angeles Directory Co.
	rear Barbarin Joe	Los Angeles Directory Co.
	Moore Max	Los Angeles Directory Co.
1936	Kaufman Chas glass iear Montoya Gabriel	Los Angeles Directory Co.
	Kaufman Chas o	Los Angeles Directory Co.

2951 10TH ST

Year	Uses	Source
2001	OCASTILLOPedro	Haines & Company, Inc.
1981	Taylor Gertrude	Pacific Telephone
	Taylor Sam Jr	Pacific Telephone
1977	Taylor Sam Jr	Pacific Telephone
1970	Taylor Gertrude	Pacific Telephone
	Taylor Sam Jr	Pacific Telephone
1966	Taylor Sam B Gertrude 2951 10th St Riv h mechanic Southern Calif	Luskey Brothers & Company Inc.
1960	Boyd EP Mrs C	Luskeys Brothers & Co., Publishers
1955	Boyd Emma P Mrs	Luskeys Brothers & Co., Publishers
	rl est	Luskeys Brothers & Co., Publishers
1951	Boyd R J Mrs r	Los Angeles Directory Co.
1946	Boyd R J Mrs r	Southern California Telephone Company
1945	Boyd R J	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1939	Boyd R J	Los Angeles Directory Co.
1936	Boyd E P Mrs Boyd R J o	Los Angeles Directory Co.
1930	Boyad R J o	Los Angeles Directory Co.

2957 10TH ST

Year	Uses	Source
1966	Cerda Marvel Penny 2957 10th St Riv h	Luskey Brothers & Company Inc.
	Cerda Martia Mrs 2957 10th St Riv h retired	Luskey Brothers & Company Inc.

2958 10TH ST

Year	Uses	Source
1930	Kaufman Chas o	Los Angeles Directory Co.

2961 10TH ST

Year	Uses	Source
1945	Flores Preciliano	Los Angeles Directory Co.
1939	Flores Precilliano	Los Angeles Directory Co.
1936	Flores Preciliano o	Los Angeles Directory Co.
1930	Flores Prec 11iano o	Los Angeles Directory Co.

2966 10TH ST

Year	Uses	Source
1960	Sotelo Ernestine Mrs	Luskeys Brothers & Co., Publishers
	Torres Micesla Mrs	Luskeys Brothers & Co., Publishers
	Lopez Antesca Mrs	Luskeys Brothers & Co., Publishers
1955	Butler E H	Luskeys Brothers & Co., Publishers
	Sotelo M A	Luskeys Brothers & Co., Publishers
1951	Mendoza Felicita r	Los Angeles Directory Co.
	Sotelo Meliton r	Los Angeles Directory Co.

2968 10TH ST

Year	Uses	Source
1960	Ortega PD	Luskeys Brothers & Co., Publishers
1955	Barra A D	Luskeys Brothers & Co., Publishers

2970 10TH ST

Year	Uses	Source
1960	Marino Augustine Mrs	Luskeys Brothers & Co., Publishers
1955	Larra Fidel	Luskeys Brothers & Co., Publishers

FINDINGS

2972 10TH ST

Year	Uses	Source
2001	CASTILLOMary	Haines & Company, Inc.
1986	Castillo Pedro H	Pacific Bell Yellow Pages
1981	Castillo Pedro H	Pacific Telephone
1977	Castillo Pedro H	Pacific Telephone
1966	Navarro Lupe Maria 2972 10th St Riv h laborer	Luskey Brothers & Company Inc.
1960	Navarro Lupe	Luskeys Brothers & Co., Publishers
1955	Navarro Guadalupe	Luskeys Brothers & Co., Publishers
1945	Phipps P B	Los Angeles Directory Co.
1939	Phipps P E	Los Angeles Directory Co.
1936	Harris J C	Los Angeles Directory Co.
1930	Burkhardt D 0 H o	Los Angeles Directory Co.

2976 10TH ST

Year	Uses	Source
1981	Elias Eva B	Pacific Telephone

2980 10TH ST

Year	Uses	Source
1977	Gonzales Abel Mrs	Pacific Telephone

2982 10TH ST

Year	Uses	Source
1946	Morris E C r	Southern California Telephone Company
1945	Harris C A a Morris E C	Los Angeles Directory Co.
1939	Alvarez Refugio	Los Angeles Directory Co.
1936	Asher C A	Los Angeles Directory Co.
1930	Phripp Anna	Los Angeles Directory Co.

10th St

2989 10th St

Year	Uses	Source
2014	ADVANCE MUFFLER	EDR Digital Archive
	ADVANCE MUFFLER	EDR Digital Archive
2010	M L M AUTO SHOP	EDR Digital Archive
	ADVANCE MUFFLER	EDR Digital Archive
	M L M AUTO SHOP	EDR Digital Archive
	ADVANCE MUFFLER	EDR Digital Archive

FINDINGS

Year	Uses	Source
2005	M L M AUTO SHOP	EDR Digital Archive
	MLM TRUCKING INC	EDR Digital Archive
	M L M AUTO SHOP	EDR Digital Archive
	MLM TRUCKING INC	EDR Digital Archive

10TH ST

2989 10TH ST

Year	Uses	Source
2001	CARDEYM	Haines & Company, Inc.
1960	Sou Calif Gas CoParking lot	Luskeys Brothers & Co., Publishers
1955	Vacant	Luskeys Brothers & Co., Publishers
1951	Page Laura I Mrs r	Los Angeles Directory Co.
1945	Page L I Mrs	Los Angeles Directory Co.
1939	Page L I	Los Angeles Directory Co.
1936	Page L I Mrs o	Los Angeles Directory Co.
1930	Page 0 B o	Los Angeles Directory Co.

2993 10TH ST

Year	Uses	Source
1981	Nunez Solidad	Pacific Telephone

2994 10TH ST

Year	Uses	Source
1955	Lopez B P Mrs	Luskeys Brothers & Co., Publishers
	Urtado L L	Luskeys Brothers & Co., Publishers
	rear Gomez Florence P	Luskeys Brothers & Co., Publishers
1951	Lopez C A r	Los Angeles Directory Co.
	Chretin Rudolph r	Los Angeles Directory Co.
1946	Lopez C A r	Southern California Telephone Company
1945	Flowers Hobart	Los Angeles Directory Co.
1939	Lopez C A	Los Angeles Directory Co.
1930	Acosta Jesus	Los Angeles Directory Co.

3005 10TH ST

Year	Uses	Source
1977	Madrigal Estelle	Pacific Telephone
1970	Moreno Encarnacion	Pacific Telephone
	Madrigal Pedro	Pacific Telephone
1960	No return	Luskeys Brothers & Co., Publishers

Year	Uses	Source
1960	Madrigal PG	Luskeys Brothers & Co., Publishers
1955	Hunter Thos	Luskeys Brothers & Co., Publishers
	Madrigal Pedro G	Luskeys Brothers & Co., Publishers
	Duran Bernabe	Luskeys Brothers & Co., Publishers
	Cordoza Julian	Luskeys Brothers & Co., Publishers
1951	Madrigal Pedro r	Los Angeles Directory Co.
1945	Madrigal Peter	Los Angeles Directory Co.
1939	Burkhart H E Mrs	Los Angeles Directory Co.
1936	Burkhart H E Mrs o	Los Angeles Directory Co.
1930	Burkhart J F o	Los Angeles Directory Co.

3015 10TH ST

Year	Uses	Source
1936	Vacant	Los Angeles Directory Co.
1930	Clarke W o	Los Angeles Directory Co.

3036 10TH ST

Year	Uses	Source
1966	Rhoads Refrigeration Service 3036 10th St Riv Wm R Rhoads	Luskey Brothers & Company Inc.

10th St

3075 10th St

Year	Uses	Source
2005	ROYAL PRIDE PACKING LLC	EDR Digital Archive
	HELEN N CARDEY AS TRUSTEE	EDR Digital Archive
	ROYAL LANDSCAPING & GARDENING	EDR Digital Archive
	ROYAL PRIDE PACKING LLC	EDR Digital Archive
	HELEN N CARDEY AS TRUSTEE	EDR Digital Archive
	ROYAL LANDSCAPING & GARDENING	EDR Digital Archive

10TH ST

3075 10TH ST

Year	Uses	Source
2001	ROYAL CITRUS CO	Haines & Company, Inc.
1996	ROYAL CITRUS CO	Pacific Bell
1990	ROYAL CITRUS CO	Pacific Bell
1981	Royal Citrus Co	Pacific Telephone

FINDINGS

Year	Uses	Source
1966	Food Machinery & Chem Corp 3075 12th St Riv	Luskey Brothers & Company Inc.
	Lewis Alfred M Inc 3075 10th St Riv	Luskey Brothers & Company Inc.
	Geo Hanmilton manager wholesale groceries	Luskey Brothers & Company Inc.
1960	Lewis AM Inc whse	Luskeys Brothers & Co., Publishers
1955	Food Machinery & Chemical	Luskeys Brothers & Co., Publishers
	Corp whse	Luskeys Brothers & Co., Publishers

3080 10TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	Fairfield Chemicals	Pacific Telephone

10th St

3084 10th St

Year	Uses	Source
2014	AUTO BUYLINE SYSTEMS INC	EDR Digital Archive
	AUTO BUYLINE SYSTEMS INC	EDR Digital Archive
2010	AUTO BUYLINE SYSTEMS INC	EDR Digital Archive
	AUTO BUYLINE SYSTEMS INC	EDR Digital Archive
2005	AUTO BUYLINE SYSTEMS INC	EDR Digital Archive
	AUTO BUYLINE SYSTEMS INC	EDR Digital Archive

10TH ST

3084 10TH ST

Year	Uses	Source
1960	Sou Calif Gas plant	Luskeys Brothers & Co., Publishers
1955	Sou Cal Gas Co plant	Luskeys Brothers & Co., Publishers
1945	So Cal Gas Co plant	Los Angeles Directory Co.
1939	Sou Cal Gas Co plant	Los Angeles Directory Co.
1936	Southern California Gas Co plant	Los Angeles Directory Co.
1930	Southern California Gas Co plant	Los Angeles Directory Co.

3115 10TH ST

Year	Uses	Source
1966	National Ice& Cold Storage Co 311512th St Riu FJ Scherer manager	Luskey Brothers & Company Inc.

FINDINGS

3125 10TH ST

Year	Uses	Source
1977	Hoesman Fiberglass	Pacific Telephone
1970	Arlington Packaging & Moving Co	Pacific Telephone
1966	Gene Muldrow president contractor	Luskey Brothers & Company Inc.
	Custom Drywall Inc 3125 10th St Riv	Luskey Brothers & Company Inc.

3131 10TH ST

Year	Uses	Source
1981	TOTALPLAN OFFICE DE S IGN &	Pacific Telephone
1977	TOTALPLAN IN LAN D E MPIRE IN C	Pacific Telephone
1970	ANTLER ROOFING CO	Pacific Telephone
1960	Industriai Pntcq Corp	Luskeys Brothers & Co., Publishers
	Rawlings Corp industrial	Luskeys Brothers & Co., Publishers
1955	Union Oil Co dist ofc	Luskeys Brothers & Co., Publishers
	Union Oil Co mktg sta	Luskeys Brothers & Co., Publishers
1951	Union Oil Co of Calif	Los Angeles Directory Co.
	Union Oil Co of Calif	Los Angeles Directory Co.
1946	Union Oil Co of Calif	Southern California Telephone Company
	Union Oil Co of Calif Serv Sta No	Southern California Telephone Company
	Union Pacific Railroad Co	Southern California Telephone Company

3150 10TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	UNITED STATES COLD STORAGE	Pacific Bell
1986	UN ITE D S TATE S COLD S TORAGE	Pacific Bell Yellow Pages
	U S Energy Consultants	Pacific Bell Yellow Pages

3204 10TH ST

Year	Uses	Source
1990	CLAYTONS BODY SHOP	Pacific Bell
1986	CLAYTONS BODY S HOP	Pacific Bell Yellow Pages
1977	Rabys Auto Painting	Pacific Telephone
1970	Rabys Auto Painting	Pacific Telephone
1960	Moorehead Mach Wks	Luskeys Brothers & Co., Publishers
1955	Moorehead Machine	Luskeys Brothers & Co., Publishers
1951	Moorehead R J Mach Wrks	Los Angeles Directory Co.
1945	Vacant	Los Angeles Directory Co.
1939	Hill & Clark mach mfrs	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1936	Covey F R mach	Los Angeles Directory Co.

11TH

2917 11TH

Year	Uses	Source
2002	y 2 Castro Angel	SBC PACIFIC BELL

2919 11TH

Year	Uses	Source
2002	Sontay Florentin	SBC PACIFIC BELL

2921 11TH

Year	Uses	Source
1986	Gomez Jose	Pacific Bell Yellow Pages

2939 11TH

Year	Uses	Source
2002	Nieto Diego & Inez	SBC PACIFIC BELL

2950 11TH

Year	Uses	Source
2002	Robledo Maria Guadalupe	SBC PACIFIC BELL
	REAR Gomez Maria	SBC PACIFIC BELL

2961 11TH

Year	Uses	Source
2002	REAR Diaz Jaime C	SBC PACIFIC BELL

2980 11TH

Year	Uses	Source
2002	Gonzales Abel Mrs	SBC PACIFIC BELL

2982 11TH

Year	Uses	Source
2002	Salazar Jacqueline M	SBC PACIFIC BELL
	Huerta Gloria	SBC PACIFIC BELL

2987 11TH

Year	Uses	Source
2002	Anaya Aurora	SBC PACIFIC BELL

FINDINGS

2989 11TH

Year	Uses	Source
2002	Lopez Leticia	SBC PACIFIC BELL

11TH ST

2916 11TH ST

Year	Uses	Source
2001	VENEGASManuel	Haines & Company, Inc.
1970	Venegas Joe T	Pacific Telephone
1966	Venegas Joe T Jr Marta 2916 Ilth St Riv h custodian Naval Ordnan	Luskey Brothers & Company Inc.
	Venegas Joe T 291611th St Riv h retired	Luskey Brothers & Company Inc.
1960	Venegas JT	Luskeys Brothers & Co., Publishers
	rear Vacant	Luskeys Brothers & Co., Publishers
1955	Venegas Joe F	Luskeys Brothers & Co., Publishers
1951	Venegas Joe T r	Los Angeles Directory Co.
1945	Venegas Jos	Los Angeles Directory Co.
1939	Venegas Jos	Los Angeles Directory Co.
1936	Veneges Jose	Los Angeles Directory Co.
1930	Hemandez Juan	Los Angeles Directory Co.

2917 11TH ST

Year	Uses	Source
2001	KLEINShiroey	Haines & Company, Inc.
	Ia CASTROAngel	Haines & Company, Inc.
1966	Mendoza Teresa Mrs 2917 Ilth St Riv h	Luskey Brothers & Company Inc.
1960	Spright OM	Luskeys Brothers & Co., Publishers
1955	Escajedo F G	Luskeys Brothers & Co., Publishers
	rear Brown P L	Luskeys Brothers & Co., Publishers
	Jaramillo J R	Luskeys Brothers & Co., Publishers
1951	Perez Simon r	Los Angeles Directory Co.
1945	Perez Simeon	Los Angeles Directory Co.
1939	Perez Simeon	Los Angeles Directory Co.
1936	Perez Simeon o	Los Angeles Directory Co.
1930	Perez Simon o	Los Angeles Directory Co.

2919 11TH ST

Year	Uses	Source
2001	SONTAYFloren An	Haines & Company, Inc.
1970	Mack H W	Pacific Telephone

FINDINGS

Year	Uses	Source
1966	No Return	Luskey Brothers & Company Inc.
	Min 5 Attempts Made	Luskey Brothers & Company Inc.
1960	Adventist Ch	Luskeys Brothers & Co., Publishers
	Mack Hazel	Luskeys Brothers & Co., Publishers

2921 11TH ST

Year	Uses	Source
1966	No Return	Luskey Brothers & Company Inc.
	Min 5 Attempts Made	Luskey Brothers & Company Inc.
1960	Moore WL	Luskeys Brothers & Co., Publishers

2923 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1966	Romo Manuel Priscilla 2923 llth St Riv h 2 employee Riverside C	Luskey Brothers & Company Inc.
1960	Martin WM Jr	Luskeys Brothers & Co., Publishers

2927 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

2928 11TH ST

Year	Uses	Source
2001	LABARREAREMrchael	Haines & Company, Inc.
	XXXX	Haines & Company, Inc.
1970	Aguilar C Mrs	Pacific Telephone
1966	Aguilar C Mrs 2928 llth St Riv h retired	Luskey Brothers & Company Inc.
1960	Aguilar Conche Mrs	Luskeys Brothers & Co., Publishers
1955	Agu lar C V Mrs	Luskeys Brothers & Co., Publishers
1951	Aguilar Vera r	Los Angeles Directory Co.
1946	Aguilar Vera r	Southern California Telephone Company
1945	guilar Jose	Los Angeles Directory Co.
1939	Aguilar Jose	Los Angeles Directory Co.
1936	Aguilar Jose o	Los Angeles Directory Co.
1930	Aguilar Jose o	Los Angeles Directory Co.

2929 11TH ST

Year	Uses	Source
1977	Gonsalez Albino	Pacific Telephone

FINDINGS

Year	Uses	Source
1966	Contreros Jenny Mrs 2929 llth St Riv h retired	Luskey Brothers & Company Inc.
1960	rear Vacant	Luskeys Brothers & Co., Publishers
	Williams Pearl M	Luskeys Brothers & Co., Publishers
1955	rear Reed Johnny Jr	Luskeys Brothers & Co., Publishers
	Hale Erea Mrs	Luskeys Brothers & Co., Publishers
1951	Hale Erea r	Los Angeles Directory Co.
1945	Perez Tony	Los Angeles Directory Co.
1939	Perez Tony	Los Angeles Directory Co.
1936	Perez Tony	Los Angeles Directory Co.
1930	Garcia R S	Los Angeles Directory Co.

2937 11TH ST

Year	Uses	Source
1966	Location Not Occupied	Luskey Brothers & Company Inc.
	Vacant	Luskey Brothers & Company Inc.

2938 11TH ST

Year	Uses	Source
2001	MARTINEZAlberl	Haines & Company, Inc.
	NIETOlne	Haines & Company, Inc.
1990	Campos Manuel	Pacific Bell
1966	Cervantes Johin Dolores 2938 llth St Riv h	Luskey Brothers & Company Inc.
1960	Cervantes CM Mrs	Luskeys Brothers & Co., Publishers
1955	Cervantez Concha Mrs	Luskeys Brothers & Co., Publishers
1945	Cervantez Matilda	Los Angeles Directory Co.
1939	Cervantez Matilda	Los Angeles Directory Co.
1936	Servantez Matilda o	Los Angeles Directory Co.
1930	Servantez Matilda o	Los Angeles Directory Co.

2939 11TH ST

Year	Uses	Source
1996	Vasquez David	Pacific Bell
	Nieto Diego & Inez	Pacific Bell
1990	Nilto Diego & Inezx	Pacific Bell
1966	Londos Mainuel Maria 2939 llth St Riv h retired	Luskey Brothers & Company Inc.
1960	rear Mc Dowell Clyde	Luskeys Brothers & Co., Publishers
	Moss XL	Luskeys Brothers & Co., Publishers
1955	Cervantez L M	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1945	Cervantez Luis	Los Angeles Directory Co.
1939	Cervantez Luis	Los Angeles Directory Co.
1936	Alvarez Edmund	Los Angeles Directory Co.
1930	Mendoza Sara Mrs	Los Angeles Directory Co.

2949 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1966	Vacant	Luskey Brothers & Company Inc.
	Location Not Occupied	Luskey Brothers & Company Inc.

2950 11TH ST

Year	Uses	Source
2001	RODRIGUEZJuan	Haines & Company, Inc.
1990	Juarez Jose	Pacific Bell
1966	Cruz Arlene Mrs 2950 llth St Riv hretired	Luskey Brothers & Company Inc.
1960	Cruz EV	Luskeys Brothers & Co., Publishers
1955	rear Alvarado G J	Luskeys Brothers & Co., Publishers
	Cruz Efren B	Luskeys Brothers & Co., Publishers
	Delgadillo Salvador	Luskeys Brothers & Co., Publishers
1945	Cruz Frank	Los Angeles Directory Co.
1939	Alvarado Gonzales	Los Angeles Directory Co.
1936	Cruz Efien	Los Angeles Directory Co.
1930	Hernandez Theodoro	Los Angeles Directory Co.

2951 11TH ST

Year	Uses	Source
2001	NAVARROSamuel	Haines & Company, Inc.
1970	Contreas Jenny G	Pacific Telephone
1966	Macias CM Maria 2951 11th St Ri h retired	Luskey Brothers & Company Inc.
1960	rear Vacant	Luskeys Brothers & Co., Publishers
	Macias CM	Luskeys Brothers & Co., Publishers
1955	rear Benjarano Gabriel M	Luskeys Brothers & Co., Publishers
	Macias Cornelio M	Luskeys Brothers & Co., Publishers
1951	Macias C M r	Los Angeles Directory Co.
1945	Macias Comelio	Los Angeles Directory Co.
1939	Mendoza Merced	Los Angeles Directory Co.
	Mendoza Jesus	Los Angeles Directory Co.
1936	Mendoza Merced o	Los Angeles Directory Co.

FINDINGS

2958 11TH ST

Year	Uses	Source
2001	MORENOHenberla	Haines & Company, Inc.

2960 11TH ST

Year	Uses	Source
1981	Marquez Jose G	Pacific Telephone
1960	Cross Susie Mrs	Luskeys Brothers & Co., Publishers
1955	Cross Susie M Mrs	Luskeys Brothers & Co., Publishers
	rear Jones L W	Luskeys Brothers & Co., Publishers
1951	Cross Jas r	Los Angeles Directory Co.
1945	Sotelo Meliton	Los Angeles Directory Co.
1939	Sotello Milton	Los Angeles Directory Co.
1936	Escobedo Norberto Munos Angel	Los Angeles Directory Co.
1930	Villacana Jose	Los Angeles Directory Co.

2961 11TH ST

Year	Uses	Source
2001	DIAZJarme C	Haines & Company, Inc.
	FALCON Roman	Haines & Company, Inc.
1996	Frias Maria Del Carmen	Pacific Bell
1990	Tafoya Elvla	Pacific Bell
1960	Davers Joanne R	Luskeys Brothers & Co., Publishers
1955	rear Raya Rutillio	Luskeys Brothers & Co., Publishers
	Gutierrez Jose	Luskeys Brothers & Co., Publishers
1946	Castro Odilon r	Southern California Telephone Company
1945	Castro Domingo	Los Angeles Directory Co.
1939	Villanueva Albt	Los Angeles Directory Co.
	Castro Domingo	Los Angeles Directory Co.
1936	Castro Domingo o	Los Angeles Directory Co.
1930	Esposa Guadalupe o	Los Angeles Directory Co.

2969 11TH ST

Year	Uses	Source
2001	SIMJEEAbdul	Haines & Company, Inc.

2972 11TH ST

Year	Uses	Source
1981	Hurtado Pedro	Pacific Telephone
1960	Mathews NR	Luskeys Brothers & Co., Publishers
1955	Vacant	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1945	yala R A Mrs	Los Angeles Directory Co.
1930	Ayala Eduardo o	Los Angeles Directory Co.

2973 11TH ST

Year	Uses	Source
1960	Sanchez Josephine	Luskeys Brothers & Co., Publishers
1955	Sanchez Josie	Luskeys Brothers & Co., Publishers
1945	Melendez Frank	Los Angeles Directory Co.
1939	Rocha Arnulfo	Los Angeles Directory Co.
	Rangil Frank	Los Angeles Directory Co.
	Enriquez Lazaro	Los Angeles Directory Co.
	Hernandez Julia Mrs	Los Angeles Directory Co.
	Mendoza Marguerto	Los Angeles Directory Co.
	Flores Acencion	Los Angeles Directory Co.
1936	Martinez Ramon	Los Angeles Directory Co.
	Rivas Maria Mrs	Los Angeles Directory Co.
	Carbajal John	Los Angeles Directory Co.
	Enrique Francisco	Los Angeles Directory Co.
1930	Villanuevo Maria Mrs o	Los Angeles Directory Co.

2975 11TH ST

Year	Uses	Source
1960	Ramirez Louis	Luskeys Brothers & Co., Publishers
1955	Taylor Odessa Mrs	Luskeys Brothers & Co., Publishers
	Thompson G E	Luskeys Brothers & Co., Publishers
	Salinos Emilio	Luskeys Brothers & Co., Publishers
	Tovar Marcelino	Luskeys Brothers & Co., Publishers
	Contreras J L	Luskeys Brothers & Co., Publishers
	Tovar T M	Luskeys Brothers & Co., Publishers
	Jaramillo B L	Luskeys Brothers & Co., Publishers
1945	Hemandez Benito	Los Angeles Directory Co.
	Torres Eusebia Mrs	Los Angeles Directory Co.
1939	Hernandez Benj	Los Angeles Directory Co.
1936	Flores Cruz	Los Angeles Directory Co.
1930	Martinez Rufio	Los Angeles Directory Co.
	Perez Pasqual	Los Angeles Directory Co.

FINDINGS

2976 11TH ST

Year	Uses	Source
1960	Contreas JG Mrs	Luskeys Brothers & Co., Publishers
1955	Estrada T J	Luskeys Brothers & Co., Publishers

11th St

2977 11th St

Year	Uses	Source
2010	D C G JANITORIAL SERVICE	EDR Digital Archive
	D C G JANITORIAL SERVICE	EDR Digital Archive
2005	D C G JANITORIAL SERVICE	EDR Digital Archive
	D C G JANITORIAL SERVICE	EDR Digital Archive

11TH ST

2977 11TH ST

Year	Uses	Source
1960	Tovar Marselino	Luskeys Brothers & Co., Publishers

2978 11TH ST

Year	Uses	Source
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Albidrez H P	Luskeys Brothers & Co., Publishers

2979 11TH ST

Year	Uses	Source
1960	Vacant	Luskeys Brothers & Co., Publishers

2980 11TH ST

Year	Uses	Source
2001	GONZALESAbel Mrs	Haines & Company, Inc.
1996	Gonzales Abel Mrs	Pacific Bell
1990	Gonzales Abel Mrs	Pacific Bell
1981	Gonzales Abel Mrs	Pacific Telephone
1970	Gonzales Abel Mrs	Pacific Telephone
1966	Reiz Paul Margaret 2980 Ilth St Riv h	Luskey Brothers & Company Inc.
	Gonzales Ramon Connie 2980 Ilth St Riv h field worker AA Webb As	Luskey Brothers & Company Inc.
1960	Montemayea Fidmia	Luskeys Brothers & Co., Publishers
1955	Brown M L Mrs	Luskeys Brothers & Co., Publishers

FINDINGS

2981 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	Anaya Silvia Ramos	Pacific Bell

2982 11TH ST

Year	Uses	Source
2001	HUERTAGloria	Haines & Company, Inc.
1981	Huerta Froylan	Pacific Telephone
1966	Ramirez Manuel Tina 2982 11th St Riv h	Luskey Brothers & Company Inc.
	Bonnett Levi Ruby 2982 llth St Riv hretired	Luskey Brothers & Company Inc.
1960	Orosco ED	Luskeys Brothers & Co., Publishers
1955	0rosco E D	Luskeys Brothers & Co., Publishers
1945	Corona Frank	Los Angeles Directory Co.
1939	Sosa Zenon	Los Angeles Directory Co.
1936	Silva Trinidad Sosa Zenon	Los Angeles Directory Co.
1930	Silva Trinidad	Los Angeles Directory Co.
	Gil Eustaquito	Los Angeles Directory Co.

2983 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Silva Raymond G	Luskeys Brothers & Co., Publishers
1945	Sanchez Jose	Los Angeles Directory Co.
1939	Perales Melquides	Los Angeles Directory Co.
	Sanchez Jose	Los Angeles Directory Co.
1936	Sanchez Jose	Los Angeles Directory Co.
1930	Rubio Manuel	Los Angeles Directory Co.

2984 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	Cisneros Dominga H	Pacific Telephone
1955	Vasquez Joe	Luskeys Brothers & Co., Publishers
1945	Meza Lino	Los Angeles Directory Co.

2985 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1955	Jamison L J	Luskeys Brothers & Co., Publishers

2987 11TH ST

Year	Uses	Source
2001	ANAYAAurora	Haines & Company, Inc.
1996	Anaya Aurora	Pacific Bell
1990	Anaya Aurora	Pacific Bell
1960	Jones DA Mrs X	Luskeys Brothers & Co., Publishers
1955	Vacant	Luskeys Brothers & Co., Publishers

2989 11TH ST

Year	Uses	Source
2001	LOPEZLellcia	Haines & Company, Inc.
1990	del Plar Antonio	Pacific Bell
1977	Ware Jas S	Pacific Telephone
1960	Tovar AM	Luskeys Brothers & Co., Publishers
1955	Strickland S L	Luskeys Brothers & Co., Publishers

2993 11TH ST

Year	Uses	Source
1986	Nunez Solidad	Pacific Bell Yellow Pages
1970	Matthews Earline	Pacific Telephone
	Matthews Jas Jr	Pacific Telephone

2995 11TH ST

Year	Uses	Source
1945	Salseda Diego	Los Angeles Directory Co.
1939	Salseda Diego	Los Angeles Directory Co.
1936	Salseda Diego	Los Angeles Directory Co.
1930	Puerto Juan	Los Angeles Directory Co.

2999 11TH ST

Year	Uses	Source
1955	Gardner Manuel	Luskeys Brothers & Co., Publishers

3001 11TH ST

Year	Uses	Source
1960	Home Oil	Luskeys Brothers & Co., Publishers
1955	Home Oil Co	Luskeys Brothers & Co., Publishers
1951	Home Oil Co	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1951	Associated Oil Co	Los Angeles Directory Co.
1946	Associated Serv Stns	Southern California Telephone Company
	Associated Oil Co	Southern California Telephone Company
	Younglove A N Home Oil Co	Southern California Telephone Company
	Home Oil Co	Southern California Telephone Company
1945	Home Oil Co	Los Angeles Directory Co.
1939	Home Oil Co	Los Angeles Directory Co.
1936	Home Oil Co	Los Angeles Directory Co.
1930	Gonzales Pedro	Los Angeles Directory Co.

3009 11TH ST

Year	Uses	Source
1930	falcon Juan	Los Angeles Directory Co.

3020 11TH ST

Year	Uses	Source
1936	Castro Geo	Los Angeles Directory Co.
1930	Castro Geo	Los Angeles Directory Co.

3021 11TH ST

Year	Uses	Source
1945	Valdez Jose	Los Angeles Directory Co.
	rear Vacant	Los Angeles Directory Co.
1930	Silva Rita	Los Angeles Directory Co.

3032 11TH ST

Year	Uses	Source
1939	Castro Geo	Los Angeles Directory Co.

3265 11TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	THE PLACE	Pacific Bell

12TH ST

3080 12TH ST

Year	Uses	Source
2014	SMX CAPITAL INC	EDR Digital Archive
	SOLARMAX TECHNOLOGY INC	EDR Digital Archive
	ALLIANCE SOLAR CAPITAL 3 LLC	EDR Digital Archive

Year	Uses	Source
2014	SOLARMAX TECHNOLOGY INC	EDR Digital Archive
	SREP ELECTRIC	EDR Digital Archive
	SOLARMAX FINANCIAL INC	EDR Digital Archive
	ATP DEVELOPMENT INC	EDR Digital Archive
2010	ATCO RUBBER PRODUCTS INC	EDR Digital Archive
2005	ATCO RUBBER PRODUCTS INC	EDR Digital Archive
	EC DEYOUNG INC	EDR Digital Archive
	BARNES BOYS INC	EDR Digital Archive

12th Street

3080 12th Street

Year	Uses	Source
2002	ATCO RUBBER PRODUCTS	SBC PACIFIC BELL
2001	ATCO RUBBER PROD	Haines & Company, Inc.
1996	ATCO RUBBER PRODUCTS	Pacific Bell
1990	PARAMOUNT CAN CO INC	Pacific Bell
	ATCO RUBBER PRODUCTS	Pacific Bell
	S & H SERVICE CO	Pacific Bell
1986	S & H Service Co	Pacific Bell Yellow Pages
	Atco Rubber Products	Pacific Bell Yellow Pages
	Aten Alfred C	Pacific Bell Yellow Pages

9TH

2938 9TH

Year	Uses	Source
2002	REAR Pulley Terry	SBC PACIFIC BELL
1986	Pearson J C	Pacific Bell Yellow Pages

2950 9TH

Year	Uses	Source
2002	Thomas Wm Rev	SBC PACIFIC BELL
1981	Thomas Wm Rev	Pacific Telephone

2973 9TH

Year	Uses	Source
2002	Sosa Irma	SBC PACIFIC BELL

FINDINGS

2982 9TH

Year	Uses	Source
2002	Mendez Celia	SBC PACIFIC BELL

3006 9TH

Year	Uses	Source
2002	Bailon Maria B	SBC PACIFIC BELL

3008 9TH

Year	Uses	Source
2002	Natividad Cenobia	SBC PACIFIC BELL

3010 9TH

Year	Uses	Source
2002	Fuentes Nixon C	SBC PACIFIC BELL

3015 9TH

Year	Uses	Source
2002	Ruiz Salvador	SBC PACIFIC BELL

3141 9TH

Year	Uses	Source
2002	SAN ANTONIO ORCHARD	SBC PACIFIC BELL

9TH ST

2928 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
	WHITAKER Alice	Haines & Company, Inc.
1990	Ward Kelvin	Pacific Bell
1986	Ward Kelvin	Pacific Bell Yellow Pages
1981	Elkins Nelson	Pacific Telephone
1977	Elkins Nelson	Pacific Telephone
1970	Elkins Nelson	Pacific Telephone
1960	Elklns Nelson	Luskeys Brothers & Co., Publishers
1955	Elkins Nelson	Luskeys Brothers & Co., Publishers
1945	Bowker A C ASoria J J	Los Angeles Directory Co.
1939	Huntington H F	Los Angeles Directory Co.
1936	Carr J J	Los Angeles Directory Co.
1930	Cooper E E o	Los Angeles Directory Co.

FINDINGS

2933 9TH ST

Year	Uses	Source
1966	Clark Robin Sharon 2933 9th St Riv h	Luskey Brothers & Company Inc.
1960	Dawson Fred	Luskeys Brothers & Co., Publishers
1955	Concha Eluterio	Luskeys Brothers & Co., Publishers
1951	Muro Joe r	Los Angeles Directory Co.
1945	Holman E D	Los Angeles Directory Co.
1939	Davenport D W	Los Angeles Directory Co.

2938 9TH ST

Year	Uses	Source
2001	THOMAS Verlie	Haines & Company, Inc.
	YEAGER Clarence	Haines & Company, Inc.
1990	1 Bray Roosevelt	Pacific Bell
1986	Bray Roosevelt	Pacific Bell Yellow Pages
	Brayton Fred	Pacific Bell Yellow Pages
	Brazeal Michael L	Pacific Bell Yellow Pages
	Brazell D	Pacific Bell Yellow Pages
	Louis Jess	Pacific Bell Yellow Pages
1981	Bray Roosevelt	Pacific Telephone
	Buck Geo	Pacific Telephone
	Kelly Ernest	Pacific Telephone
1977	Buck Geo	Pacific Telephone
	Harvey Mary Belie	Pacific Telephone
1966	Apartments	Luskey Brothers & Company Inc.
	Wilton Myra Mrs 2938 9th St Apt 1 Riv h	Luskey Brothers & Company Inc.
	Saunders Ella M Mrs 2938 9th St Apt 2 Riv h	Luskey Brothers & Company Inc.
	Alexander Patricia A Mrs 2938 9th St Apt 3 Riv h	Luskey Brothers & Company Inc.
	Williams Sarah Mrs 2938 9th St Apt 4 Riv h	Luskey Brothers & Company Inc.
	Williams Chester 2938 9th St Apt 5 Riv h	Luskey Brothers & Company Inc.
	La Fayette Ann D 2938 9th St Apt 6 Riv h	Luskey Brothers & Company Inc.
1960	Apartments	Luskeys Brothers & Co., Publishers
	Blakeney AB	Luskeys Brothers & Co., Publishers
	Washington Robt	Luskeys Brothers & Co., Publishers
	Washington Edw	Luskeys Brothers & Co., Publishers
	Jamerson Eliz Mrs	Luskeys Brothers & Co., Publishers
	Wilson Jas	Luskeys Brothers & Co., Publishers
	Neal Mary Mrs	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1955	Britt F C	Luskeys Brothers & Co., Publishers
	Jamison J Q	Luskeys Brothers & Co., Publishers
	Jeffries J T	Luskeys Brothers & Co., Publishers
	Ridley J L	Luskeys Brothers & Co., Publishers
	rear Dorn Robt	Luskeys Brothers & Co., Publishers
1951	Jamison Elizabeth r	Los Angeles Directory Co.
	Sanders Ellis r	Los Angeles Directory Co.
1946	Connor Bessie E r	Southern California Telephone Company
1945	OConnor B E Mrs Earle S C Mrs	Los Angeles Directory Co.
1939	Connor B E Mrs	Los Angeles Directory Co.
	Earle Sidnia Mrs	Los Angeles Directory Co.
	Glidewell Lena Mrs	Los Angeles Directory Co.
	Lee G T	Los Angeles Directory Co.
1936	Blackhoop F D	Los Angeles Directory Co.
	Carlson Victor	Los Angeles Directory Co.
	Connor B E Mrs	Los Angeles Directory Co.
	Klimback Earle	Los Angeles Directory Co.
1930	Connor J T o Moore L D Mrs	Los Angeles Directory Co.
	Schweitzer C L	Los Angeles Directory Co.

2939 9TH ST

Year	Uses	Source
1981	Lopez Thos L	Pacific Telephone
1960	Vllanueva Paul Jr	Luskeys Brothers & Co., Publishers
1955	Villanueva Paul Jr	Luskeys Brothers & Co., Publishers
1951	Silva Marcelino r	Los Angeles Directory Co.
1945	Silva Marcelino	Los Angeles Directory Co.
1939	Rookstool Elmer	Los Angeles Directory Co.
1936	Rookstfool Elmer	Los Angeles Directory Co.
1930	Colby 0 C Rev	Los Angeles Directory Co.

2949 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	Cruz Irma R	Pacific Bell
1986	Cruz Irma R	Pacific Bell Yellow Pages
1981	Cruz Irma R	Pacific Telephone
1960	Romero Carmen Mrs	Luskeys Brothers & Co., Publishers
1955	No return	Luskeys Brothers & Co., Publishers

Year	Uses	Source
1951	Romero Carmen M r	Los Angeles Directory Co.
1939	Sanders Carrie	Los Angeles Directory Co.
1936	Langen Amanda Mrs	Los Angeles Directory Co.
1930	Wyatt A 0 Mrs	Los Angeles Directory Co.

2950 9TH ST

Year	Uses	Source
2001	THOMAS Wm ev	Haines & Company, Inc.
1996	Thomas Wm Rev	Pacific Bell
1990	Thomas Wm Rev	Pacific Bell
1986	Thomas Wm Rev	Pacific Bell Yellow Pages
1977	Thomas Wm Rev	Pacific Telephone
1970	Thomas Wm Rev	Pacific Telephone
	Thomas Myrtle H	Pacific Telephone
1966	Thomnas Win M Rev Myrtle 2950 9th St Riv h Ii pastor Second Bapt	Luskey Brothers & Company Inc.
	Lumen Gale B Marsha 2950 9th St Riv h retired	Luskey Brothers & Company Inc.
1960	Thomas Wm Rev	Luskeys Brothers & Co., Publishers
1955	Thomas W M Rev	Luskeys Brothers & Co., Publishers

2951 9TH ST

Year	Uses	Source
2001	VASOUEZJennie	Haines & Company, Inc.
1981	Vasquez Jennle	Pacific Telephone
1977	Vasquez Ja Cke	Pacific Telephone
1970	Vasquez Jennie	Pacific Telephone
1966	Vasquez Jeonnie 29519tl St Riv h packer Blue Goose Packing Hous	Luskey Brothers & Company Inc.
1960	Vasquez Jennie Mrs	Luskeys Brothers & Co., Publishers
1955	Vasquez Jenn e Mrs	Luskeys Brothers & Co., Publishers
1951	Vasquez Jennie r	Los Angeles Directory Co.
1946	Vasquez Jennie r	Southern California Telephone Company
1945	Vacant	Los Angeles Directory Co.
1939	Wyatt Anna Mrs	Los Angeles Directory Co.
1936	Wyatt Anna Mrs o	Los Angeles Directory Co.
	Durham Maggie Mrs	Los Angeles Directory Co.
1930	Hardin W G	Los Angeles Directory Co.

FINDINGS

2960 9TH ST

Year	Uses	Source
1977	Mejia Don	Pacific Telephone
1970	Mejia Don	Pacific Telephone
1966	Mejia Don Cariren 2960 9th St Riv h	Luskey Brothers & Company Inc.
1960	Mejia Don	Luskeys Brothers & Co., Publishers
1955	Mejia Don	Luskeys Brothers & Co., Publishers
1946	Stuart Edith L r	Southern California Telephone Company
1945	Stuart E L Mrs	Los Angeles Directory Co.
1939	Jackson Laurence	Los Angeles Directory Co.
1936	Jackson Laurence o	Los Angeles Directory Co.
1930	Jackson Lawrence o	Los Angeles Directory Co.

2961 9TH ST

Year	Uses	Source
2001	CABALLEROW	Haines & Company, Inc.
1966	Torrez Manuel B 2961 9th St Riv h	Luskey Brothers & Company Inc.
1960	Nevarez BR Mrs	Luskeys Brothers & Co., Publishers
1955	Nevarez Belen R Mrs	Luskeys Brothers & Co., Publishers
1951	Nevarez Francisco r	Los Angeles Directory Co.
1946	Nevarez Francisco r	Southern California Telephone Company
1945	Nevarez F M	Los Angeles Directory Co.
1939	Mc Neal W A	Los Angeles Directory Co.
1936	Smith Josephine Mrs	Los Angeles Directory Co.
	973 Porter J H o	Los Angeles Directory Co.
1930	Skotty Geo	Los Angeles Directory Co.

2963 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

2973 9TH ST

Year	Uses	Source
2001	SOSAIrm	Haines & Company, Inc.
1996	Sosa Irma	Pacific Bell
1990	Sosa Erma	Pacific Bell
1986	Sosa Erma	Pacific Bell Yellow Pages
1981	Sosa Erma	Pacific Telephone
1977	Sosa Erma	Pacific Telephone
1966	Hogan Lorenis Geneva 2973 9th St Riv h 1 employee County Genera	Luskey Brothers & Company Inc.

FINDINGS

Year	Uses	Source
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Porter E E Mrs	Luskeys Brothers & Co., Publishers
1951	Porter J H r	Los Angeles Directory Co.
1946	Porter J H r	Southern California Telephone Company
1945	Porter J H	Los Angeles Directory Co.
1939	Porter J H	Los Angeles Directory Co.
1930	Porter J H o	Los Angeles Directory Co.

2982 9TH ST

Year	Uses	Source
2001	0 MENDEZCella	Haines & Company, Inc.
1996	Valencia L	Pacific Bell
1986	Torres A	Pacific Bell Yellow Pages
1970	Salsedo Diego	Pacific Telephone
1966	Thompson Elijah Betrice 2982 9th St Riv h eniployee City Sanitat	Luskey Brothers & Company Inc.
1960	Salcedo Diego	Luskeys Brothers & Co., Publishers
1955	Salcedo D E	Luskeys Brothers & Co., Publishers
1945	Page C R	Los Angeles Directory Co.
1939	Page C R	Los Angeles Directory Co.
1936	Crawford W C	Los Angeles Directory Co.
1930	Wells J M	Los Angeles Directory Co.

2983 9TH ST

Year	Uses	Source
2001	AREVALOAmel Ia	Haines & Company, Inc.
1986	Arevalo Esperanza	Pacific Bell Yellow Pages
1981	Arevalo Esperanza	Pacific Telephone
1977	Arevalo Esperanza	Pacific Telephone
1970	Arevalo Esperanza	Pacific Telephone
1966	Arevalo Aiielia C Mrs 2983 9th St Riv h	Luskey Brothers & Company Inc.
1960	Arevalo AC Mrs	Luskeys Brothers & Co., Publishers
1955	Hackett W L V	Luskeys Brothers & Co., Publishers
1951	Haynes Ethel Mae r	Los Angeles Directory Co.
1946	Haynes Ethel Mae r	Southern California Telephone Company
1945	Haynes Saml	Los Angeles Directory Co.
1939	Vacant	Los Angeles Directory Co.
1936	Wills Gus	Los Angeles Directory Co.
1930	Alexander Sarah Mrs	Los Angeles Directory Co.

FINDINGS

2994 9TH ST

Year	Uses	Source
2001	RAMOS Cefenna	Haines & Company, Inc.
1981	Rogers Jack	Pacific Telephone
1977	Rogers Ida Mrs	Pacific Telephone
1970	Rogers Ida Mrs	Pacific Telephone
1966	Rogers Jack 2994 9th St Riv o h custodian Riverside Unified Scih	Luskey Brothers & Company Inc.
1960	Rogers JO	Luskeys Brothers & Co., Publishers
1955	Rogers J	Luskeys Brothers & Co., Publishers
1951	Rogers Jack Mrs r	Los Angeles Directory Co.
1945	Preston N R Mrs	Los Angeles Directory Co.
1939	Aaron J P	Los Angeles Directory Co.
1936	Adams Q B	Los Angeles Directory Co.
1930	Pinney M R	Los Angeles Directory Co.

2995 9TH ST

Year	Uses	Source
2001	CAUDILLOJuanila 00 D	Haines & Company, Inc.
1966	Caudillo Ruben Juanita 2995 9th St Riv h	Luskey Brothers & Company Inc.
1960	Caudillo RA	Luskeys Brothers & Co., Publishers
1955	Caudillo J T	Luskeys Brothers & Co., Publishers
1951	Caudillo Ruben A r	Los Angeles Directory Co.
1946	Jimenez Fred Mrs r	Southern California Telephone Company
1945	Jimenez Savina	Los Angeles Directory Co.
1939	Paul N G Mrs	Los Angeles Directory Co.
1936	Paul N G Mrs	Los Angeles Directory Co.
1930	de Jonckheere Norah Mrs	Los Angeles Directory Co.

2996 9TH ST

Year	Uses	Source
1977	Sias Mary	Pacific Telephone
1970	Farris Jewell	Pacific Telephone
1951	Bowen Lawrence r	Los Angeles Directory Co.
1945	Paul N G Mrs	Los Angeles Directory Co.

2997 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	Buenrrostro Maria J	Pacific Bell Yellow Pages
1981	Buenrrostro Maria J	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	Stroman Geo	Pacific Telephone

3005 9TH ST

Year	Uses	Source
2001	RENTERIAManuel	Haines & Company, Inc.
	RUIZ Sal	Haines & Company, Inc.
1990	Renterla Manuel	Pacific Bell
1986	Renteria Maria	Pacific Bell Yellow Pages
	Renterla Ruben M	Pacific Bell Yellow Pages
	Renteria W	Pacific Bell Yellow Pages
	Rentfro G A tile contr	Pacific Bell Yellow Pages
1960	Hernandez JH	Luskeys Brothers & Co., Publishers
1955	Hernandez Castro	Luskeys Brothers & Co., Publishers
1951	Hernandez Sally r	Los Angeles Directory Co.
1946	Hernandez Sally r	Southern California Telephone Company
1945	Jones D C	Los Angeles Directory Co.
1939	Bell D F	Los Angeles Directory Co.
1936	Bell D F o Collins 0 H	Los Angeles Directory Co.
1930	Bell D F o Groh W H	Los Angeles Directory Co.

3006 9TH ST

Year	Uses	Source
2001	CARDEYMax	Haines & Company, Inc.
	BAILON Maria B	Haines & Company, Inc.
1986	Rosas Mario	Pacific Bell Yellow Pages
1970	Aguila Terry	Pacific Telephone
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Simpson L M Mrs	Luskeys Brothers & Co., Publishers
1945	Simpson May Mrs	Los Angeles Directory Co.
1939	Simpson G D	Los Angeles Directory Co.
1936	Simpson G D	Los Angeles Directory Co.
1930	Krebs W L	Los Angeles Directory Co.

3008 9TH ST

Year	Uses	Source
1970	Sosa Erma	Pacific Telephone
1966	Hernandez Thos Lupe 3008 9th St Riv h l	Luskey Brothers & Company Inc.
1960	Sosa John	Luskeys Brothers & Co., Publishers
1955	J menez Albt	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1945	Smiley R B	Los Angeles Directory Co.
1939	Mc Clard I K	Los Angeles Directory Co.
1936	Rowe Mattie Mrs	Los Angeles Directory Co.
1930	Radmore Geo	Los Angeles Directory Co.

3010 9TH ST

Year	Uses	Source
2001	FUENTESNion C	Haines & Company, Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Alvidrez W R	Luskeys Brothers & Co., Publishers
1951	Hughes Gladys Mrs r	Los Angeles Directory Co.
1945	Morrison S V	Los Angeles Directory Co.
1939	Morrison S V	Los Angeles Directory Co.
1936	Mc Lain G J bldg contr o	Los Angeles Directory Co.
1930	Adams Q B	Los Angeles Directory Co.

3012 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Morrison Sylvester V	Luskeys Brothers & Co., Publishers
	Ballesteros Jesus	Luskeys Brothers & Co., Publishers
1945	Halecki Leo Simkins A L	Los Angeles Directory Co.
1939	Thorner A A	Los Angeles Directory Co.

3014 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1981	Blanquet Marcia	Pacific Telephone
1970	Sanchez Manuel	Pacific Telephone
1960	Ballesteros Jesus	Luskeys Brothers & Co., Publishers
	rear Martinez Maria Mrs	Luskeys Brothers & Co., Publishers
1951	Mejia Don r	Los Angeles Directory Co.
1945	Koontz J L	Los Angeles Directory Co.
1939	Johnson Dean	Los Angeles Directory Co.
	Vodney Paul	Los Angeles Directory Co.

3015 9TH ST

Year	Uses	Source
1996	Ruiz Salvador	Pacific Bell

FINDINGS

Year	Uses	Source
1990	Ruiz Salvador	Pacific Bell
1986	Ruiz Salvador	Pacific Bell Yellow Pages
1981	Ruiz Salvador	Pacific Telephone
1977	Solano Ernest J	Pacific Telephone
1966	Ponce Jesus G Petra 3015 9th St Rivo h 2 head custodian Riv Unif	Luskey Brothers & Company Inc.
1960	Ponce JG	Luskeys Brothers & Co., Publishers
1955	Bermudez Peter Y	Luskeys Brothers & Co., Publishers
1946	Ball G A r	Southern California Telephone Company
1945	Ball G A	Los Angeles Directory Co.
1939	Ball G A	Los Angeles Directory Co.
1936	Thomas B A	Los Angeles Directory Co.
	Ball G A	Los Angeles Directory Co.
1930	Francisco W H	Los Angeles Directory Co.

3016 9TH ST

Year	Uses	Source
2001	LOPEZJavier L	Haines & Company, Inc.

3025 9TH ST

Year	Uses	Source
1930	Vacant	Los Angeles Directory Co.

3040 9TH ST

Year	Uses	Source
1966	David J Findlay fruit growers & shippers	Luskey Brothers & Company Inc.
	Blue Goose Findlay Packers 3040 9th St Riv	Luskey Brothers & Company Inc.
1960	Inc V	Luskeys Brothers & Co., Publishers
	American Nat l Growers	Luskeys Brothers & Co., Publishers
1955	Inc V	Luskeys Brothers & Co., Publishers
	American Nat l Foods	Luskeys Brothers & Co., Publishers
1951	Sierra Vista Packing Assn	Los Angeles Directory Co.
1946	Sierra Vista Packing Assn	Southern California Telephone Company
1945	Sierra Vista Pkg Assn	Los Angeles Directory Co.
1939	Sierra Vista Pkg Assn	Los Angeles Directory Co.
1936	Sierra Vista Pkg Assn	Los Angeles Directory Co.
1930	Sierra Vista Packing Assn fruit packers	Los Angeles Directory Co.

FINDINGS

3065 9TH ST

Year	Uses	Source
1960	cash & carrydept	Luskeys Brothers & Co., Publishers
	Lewls Alf M Inc	Luskeys Brothers & Co., Publishers

3085 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	Cash & Carry	Pacific Telephone
1955	Lewis Alf M Inc	Luskeys Brothers & Co., Publishers
	br whol gro	Luskeys Brothers & Co., Publishers

3090 9TH ST

Year	Uses	Source
1946	Lewis Alfred M Inc whsle groc	Southern California Telephone Company
1945	Lewis Alt M Inc whol gro	Los Angeles Directory Co.
1939	Lewis Alf M whse	Los Angeles Directory Co.
1936	Lewis A M Inc whse	Los Angeles Directory Co.
1930	Riverside Whol Gro Co purch dept	Los Angeles Directory Co.

3111 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	Poultrymens Cooperative Associates	Pacific Bell Yellow Pages
1960	Milling	Luskeys Brothers & Co., Publishers
	Kelley Hal Grain	Luskeys Brothers & Co., Publishers
1955	Milling DV	Luskeys Brothers & Co., Publishers
	Kelley Hal Grain	Luskeys Brothers & Co., Publishers
	mill DV	Luskeys Brothers & Co., Publishers
	Kelley Hal Grain & Milling	Luskeys Brothers & Co., Publishers
1946	Anderson Will C feed & suppls	Southern California Telephone Company
1945	Anderson W C feed	Los Angeles Directory Co.
1939	Anderson W C feed	Los Angeles Directory Co.
1936	Smalls Seed Co mill and whse	Los Angeles Directory Co.
1930	Smalls Seed Co mill	Los Angeles Directory Co.
	Ninth Contd	Los Angeles Directory Co.

3112 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	KELLEY HAL GRAIN & MILLING	Pacific Telephone

FINDINGS

Year	Uses	Source
1966	Kelleys Hal Grain & Milling 3112 9th St Riv HE Kelley	Luskey Brothers & Company Inc.
1951	Kelleys Hal Feed & Supply	Los Angeles Directory Co.

3141 9TH ST

Year	Uses	Source
2001	LATIMERW	Haines & Company, Inc.
	u SAN ANTONIO	Haines & Company, Inc.
	ORCHARD	Haines & Company, Inc.
1996	SAN ANTONIO ORCHARD CO	Pacific Bell
1990	SAN ANTONIO ORCHARD CO	Pacific Bell
1986	Latimer Packing House	Pacific Bell Yellow Pages
	Latimer W H ofc	Pacific Bell Yellow Pages
	Latino Travel By Jackson	Pacific Bell Yellow Pages
	San Antonio Orchard Co	Pacific Bell Yellow Pages
	San Bernardino Civic Light Opera	Pacific Bell Yellow Pages
1981	Latimer W H ofc	Pacific Telephone
	San Antonio Orchard Co	Pacific Telephone
	Latimer Packing House	Pacific Telephone
1977	Latimer Packing House	Pacific Telephone
	Latimer W H ofc	Pacific Telephone
	San Antonio Orchard Co	Pacific Telephone
	Siemonsma Harry C Grower Shipper	Pacific Telephone
1970	Royal Citrus Co	Pacific Telephone
1960	Mc Dermont Fruit	Luskeys Brothers & Co., Publishers
1955	M C Dermont Fru t Co D	Luskeys Brothers & Co., Publishers
1951	Mc Dermont Fruit Co	Los Angeles Directory Co.
1946	Mc Dermont Fruit Co	Southern California Telephone Company
1945	Mc Dermont Fruit Co	Los Angeles Directory Co.
1939	Mc Dermott Fruit Co	Los Angeles Directory Co.
1936	Withers Bros Ltd fruit pkrs	Los Angeles Directory Co.
1930	Riverside Navel Orange Growers Assn	Los Angeles Directory Co.

3170 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1986	RALLY AUTOMOTIVE	Pacific Bell Yellow Pages
	Rallye Charter Bus Lines POBox 20123	Pacific Bell Yellow Pages
1981	RALLY AUTOMOTIVE	Pacific Telephone

Year	Uses	Source
1977	Rally Automotive	Pacific Telephone
1970	FISCHER ELECTRIC INC	Pacific Telephone
1960	contrs	Luskeys Brothers & Co., Publishers
	Ardrey&Fischer Elec	Luskeys Brothers & Co., Publishers
1955	pntg contr	Luskeys Brothers & Co., Publishers
	Lineaweaver W H	Luskeys Brothers & Co., Publishers

3171 9TH ST

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	JENCO DISTRIBUTING CO	Pacific Bell
1986	Jenco Distributing Co	Pacific Bell Yellow Pages
1981	Calwoods	Pacific Telephone
	Jenco Distributing Co	Pacific Telephone
1945	Food Machinery Corp	Los Angeles Directory Co.
1939	Parker Machine Works Inc	Los Angeles Directory Co.
1936	Citrus Machinery Co	Los Angeles Directory Co.
1930	Citrus Machinery Co	Los Angeles Directory Co.

COMMERCE

3888 COMMERCE

Year	Uses	Source
2002	NANCO CREATIVE	SBC PACIFIC BELL
	CORPORATION	SBC PACIFIC BELL
	WESTERN POLYFORM	SBC PACIFIC BELL
	SPECIALTIES	SBC PACIFIC BELL
1986	Ampro Technologies	Pacific Bell Yellow Pages

Commerce St

3888 Commerce St

Year	Uses	Source
2010	MSM RESPRITORY SVCS	EDR Digital Archive
	MSM RESPRITORY SVCS	EDR Digital Archive
2005	MINIMATICS INC	EDR Digital Archive
	MATHESON CREATIVE SPECIALTIES	EDR Digital Archive
	MATHESON CREATIVE SPECIALTIES	EDR Digital Archive
	MINIMATICS INC	EDR Digital Archive

FINDINGS

COMMERCE ST

3888 COMMERCE ST

Year	Uses	Source
2001	NANCO CREATIVE	Haines & Company, Inc.
	WESTRNPOLYFRM	Haines & Company, Inc.
	PROBIZANSK 14 Rober I	Haines & Company, Inc.
	SPECIALTIES POLYFORM CORP	Haines & Company, Inc.
1996	WESTERN POLYFORM CORPORATION	Pacific Bell
1990	WESTERN POLYFORM CORPORATION	Pacific Bell
	AMPRO TECHNOLOGIES	Pacific Bell
1986	Polyform Corporation	Pacific Bell Yellow Pages
	Western Polyform Corporation	Pacific Bell Yellow Pages
	W E S TE RN POOL RE PAIR & S UPPLY	Pacific Bell Yellow Pages
1981	Polyform Corporation	Pacific Telephone
	Western Polyform Corporation	Pacific Telephone
1966	Big Deal Candies 3888 Commerce Riv Paul Sutton manager	Luskey Brothers & Company Inc.
1960	Lewis AM Inc whse	Luskeys Brothers & Co., Publishers
1955	Lewis Alf M Co Inc	Luskeys Brothers & Co., Publishers
	whse D	Luskeys Brothers & Co., Publishers

HOWARD AVE

4103 HOWARD AVE

Year	Uses	Source
1945	Flores Jos	Los Angeles Directory Co.
1939	Monreal Frank	Los Angeles Directory Co.
1936	Robinson Celie Mrs o	Los Angeles Directory Co.
1930	Castro Dumas	Los Angeles Directory Co.

4110 HOWARD AVE

Year	Uses	Source
2002	Perez Evelyn G	SBC PACIFIC BELL
2001	PEREZEvelyn G	Haines & Company, Inc.
1996	Perez Evelyn G	Pacific Bell
1990	Perezx Evelyn G	Pacific Bell
1966	Min 5 Attempts Made	Luskey Brothers & Company Inc.
	No Return	Luskey Brothers & Company Inc.
1960	Zaragoza AL Mrs	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1955	Jackson E M Mrs	Luskeys Brothers & Co., Publishers
1946	Louder Emma Lee r	Southern California Telephone Company
1945	Louder E H	Los Angeles Directory Co.

4120 HOWARD AVE

Year	Uses	Source
1966	Jones Cynthia Mrs 4120 Howard Av Riv h	Luskey Brothers & Company Inc.
1960	Vacant	Luskeys Brothers & Co., Publishers
1955	Collins Corrine Mrs	Luskeys Brothers & Co., Publishers
1951	Thomas Josephine r	Los Angeles Directory Co.
1945	Falcon Roman	Los Angeles Directory Co.

4125 HOWARD AVE

Year	Uses	Source
1936	Caudillo Joe	Los Angeles Directory Co.
1930	Gomez Delfina Mrs	Los Angeles Directory Co.

4130 HOWARD AVE

Year	Uses	Source
1966	No Return	Luskey Brothers & Company Inc.
	Min 5 Attempts Made	Luskey Brothers & Company Inc.
1960	Barra AD	Luskeys Brothers & Co., Publishers
1955	Daniels Rosalie Mrs	Luskeys Brothers & Co., Publishers

4140 HOWARD AVE

Year	Uses	Source
2002	Rodriguez Andrea	SBC PACIFIC BELL
1981	Gonzalez Antonio	Pacific Telephone
1966	Zaragoza Robt Vivian 4140 Howard Av Riv h	Luskey Brothers & Company Inc.
1960	Cruz AG	Luskeys Brothers & Co., Publishers
1955	Fowler A L Mrs	Luskeys Brothers & Co., Publishers
1945	Mosqueda Jose	Los Angeles Directory Co.
1939	Mosqueda Jose	Los Angeles Directory Co.
1936	Masqueda Jose	Los Angeles Directory Co.
1930	Muscari Jose	Los Angeles Directory Co.

4162 HOWARD AVE

Year	Uses	Source
1966	Min 5 Attempts Made	Luskey Brothers & Company Inc.

Year	Uses	Source
1966	Min 5 Attempts Made	Luskey Brothers & Company Inc.
	No Return	Luskey Brothers & Company Inc.
1960	Sloan Matthew	Luskeys Brothers & Co., Publishers
	ws Is Lincoln Park	Luskeys Brothers & Co., Publishers
	Swimming Pool	Luskeys Brothers & Co., Publishers
1955	ws 1 s 12th Lincoln Pk	Luskeys Brothers & Co., Publishers
	Sloan Matthew	Luskeys Brothers & Co., Publishers
1945	Tillard Abr	Los Angeles Directory Co.
1939	bet 12th and 13th Lincoln Park	Los Angeles Directory Co.
	Robinson Frank	Los Angeles Directory Co.
1936	Zaragosa Rufus	Los Angeles Directory Co.
1930	Bet 12th and 13th Lincoln Park	Los Angeles Directory Co.
	Vacant	Los Angeles Directory Co.

HOWARD ST

4140 HOWARD ST

Year	Uses	Source
1970	Gomez Geo	Pacific Telephone
	Gomez V B	Pacific Telephone

PARK AVE

3973 PARK AVE

Year	Uses	Source
2002	CLIFF MARVIN	SBC PACIFIC BELL
2001	ROUGELY Clhon	Haines & Company, Inc.
	MARVIN CLIFF	Haines & Company, Inc.
1970	Ward Jas	Pacific Telephone
	Ward Bernice	Pacific Telephone
1960	Mc Cov SL	Luskeys Brothers & Co., Publishers
1955	Mc Coy Simmie L	Luskeys Brothers & Co., Publishers
1951	Mc Coy S L r	Los Angeles Directory Co.

3985 PARK AVE

Year	Uses	Source
2002	Carrion Mario	SBC PACIFIC BELL
2001	SDRAKE Kimberlee	Haines & Company, Inc.
1970	Roney Lenard	Pacific Telephone
1960	Willlams SP Mrs	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1955	Will Iams Trivel	Luskeys Brothers & Co., Publishers
1946	Williams Trivel Mrs r	Southern California Telephone Company
1945	Williams Trivel	Los Angeles Directory Co.
1939	Williams Trivel	Los Angeles Directory Co.
1936	Williams Trvel o	Los Angeles Directory Co.
1930	Williams Trivel o	Los Angeles Directory Co.

4001 PARK AVE

Year	Uses	Source
1936	Lugan Valeintine	Los Angeles Directory Co.

4004 PARK AVE

Year	Uses	Source
1945	Boyd R J barber	Los Angeles Directory Co.
1939	Boyd R J barber	Los Angeles Directory Co.
1936	Boyd R J barber	Los Angeles Directory Co.
1930	Boyd R J barber	Los Angeles Directory Co.

4005 PARK AVE

Year	Uses	Source
1970	Police Complaint Center	Pacific Telephone

4006 PARK AVE

Year	Uses	Source
1945	Vacant	Los Angeles Directory Co.
1939	Boyd E P Mrs real est	Los Angeles Directory Co.
1936	Boyd E P Mrs real est	Los Angeles Directory Co.
1930	Boyd E P Mrs real est	Los Angeles Directory Co.

4008 PARK AVE

Year	Uses	Source
1960	Park Avenue Flying A	Luskeys Brothers & Co., Publishers
1955	Thomas Auto Repr	Luskeys Brothers & Co., Publishers
1946	Boyd Willis G Automotive Serv	Southern California Telephone Company

4009 PARK AVE

Year	Uses	Source
1960	Thomas Auto Repr	Luskeys Brothers & Co., Publishers
1955	Munoz A P barber	Luskeys Brothers & Co., Publishers
1945	Vacant	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1939	Young Chas	Los Angeles Directory Co.
1936	Young Chas	Los Angeles Directory Co.
1930	Lopez Jos	Los Angeles Directory Co.

4022 PARK AVE

Year	Uses	Source
2001	SALVAREZGuslavo	Haines & Company, Inc.
1986	R & L Garage	Pacific Bell Yellow Pages
1981	R & L Garage	Pacific Telephone
1970	Thomas Garage	Pacific Telephone
1966	Thomas Garage 4022 Park Av Riv James Thomas	Luskey Brothers & Company Inc.
1960	Thomas Garage	Luskeys Brothers & Co., Publishers
1951	Fergusons Automotive Serv	Los Angeles Directory Co.

4030 PARK AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	Alvins Shine Parlor	Pacific Telephone
1960	Charles Record Shop	Luskeys Brothers & Co., Publishers
1955	Blue Horizon Beauty	Luskeys Brothers & Co., Publishers
	Salon	Luskeys Brothers & Co., Publishers
1946	Blue Horizon Beauty Salon	Southern California Telephone Company
	Perry Anna Blue Horizon Beauty Salon	Southern California Telephone Company

4034 PARK AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1966	Park Ave Barber Shop 4034 Park Av Riv Mrs Jessie M Griffis	Luskey Brothers & Company Inc.
1960	Park Avenue Barber Shop	Luskeys Brothers & Co., Publishers
1955	Park Av Barber Shop	Luskeys Brothers & Co., Publishers
1946	Herbs Record Shop	Southern California Telephone Company

4037 PARK AVE

Year	Uses	Source
2002	Soriano Feliciana	SBC PACIFIC BELL
2001	URIBECarlos	Haines & Company, Inc.
1986	Rodarte Mariano M	Pacific Bell Yellow Pages
1981	Perdue Janie	Pacific Telephone
1977	Perdue Janie	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	Perdue Janie	Pacific Telephone
1960	rear Beckles RL Mrs	Luskeys Brothers & Co., Publishers
	Tatum EJ	Luskeys Brothers & Co., Publishers
1955	rear Beckler Theo	Luskeys Brothers & Co., Publishers
	Freeman J D	Luskeys Brothers & Co., Publishers
1951	Ybarra Tony r	Los Angeles Directory Co.
1945	Ybarra Anthony	Los Angeles Directory Co.
1939	Ybarra Tony	Los Angeles Directory Co.
1936	Vacant	Los Angeles Directory Co.
1930	Vacant	Los Angeles Directory Co.

4038 PARK AVE

Year	Uses	Source
2002	TAQUERIA Mi MEXICANA	SBC PACIFIC BELL
2001	TAQUE	Haines & Company, Inc.
	MEXICANA	Haines & Company, Inc.
1996	TAQUERIA MI MEXICANA	Pacific Bell
1990	TAQUERIA Mi MEXICAN	Pacific Bell
1986	Taqueria Mi Mexicana	Pacific Bell Yellow Pages
	Tarata Inc	Pacific Bell Yellow Pages
	Tarbell Realtors	Pacific Bell Yellow Pages
1977	Jessies Place	Pacific Telephone
1960	Pink Rose Cafe	Luskeys Brothers & Co., Publishers
1955	Holts Second Hand	Luskeys Brothers & Co., Publishers
	Holt Enola Mrs	Luskeys Brothers & Co., Publishers
	Store	Luskeys Brothers & Co., Publishers
1946	Haynes Eat Shop	Southern California Telephone Company

4044 PARK AVE

Year	Uses	Source
1955	Park Av Record Shop	Luskeys Brothers & Co., Publishers

4045 PARK AVE

Year	Uses	Source
2001	SHERMAN Rbert	Haines & Company, Inc.
1977	Contreras Juanita G	Pacific Telephone
1960	Bejarano MV	Luskeys Brothers & Co., Publishers
1955	Roney Emick Jr	Luskeys Brothers & Co., Publishers
1946	Davison Arline r	Southern California Telephone Company

Year	Uses	Source
1945	vila Jess	Los Angeles Directory Co.
1939	Avila Jess	Los Angeles Directory Co.
1936	Avila Ysabel Mrs	Los Angeles Directory Co.
1930	Avile Ascencion	Los Angeles Directory Co.

4054 PARK AVE

Year	Uses	Source
1966	Blue Lantern Cafe 4054 Park Av Riv JB Thompson	Luskey Brothers & Company Inc.
1960	Blue Lantern Cafe	Luskeys Brothers & Co., Publishers
1955	restr	Luskeys Brothers & Co., Publishers
	restr	Luskeys Brothers & Co., Publishers
	Blue Lantern Cafe	Luskeys Brothers & Co., Publishers
1951	Blue Lantern Cafe	Los Angeles Directory Co.
1946	Blue Lantern Cafe	Southern California Telephone Company
1945	Pitts E E restr	Los Angeles Directory Co.
1939	Pitts E E restr	Los Angeles Directory Co.
1936	Preciado J A restr	Los Angeles Directory Co.

4063 PARK AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

VINE ST

3880 VINE ST

Year	Uses	Source
1955	Vacant	Luskeys Brothers & Co., Publishers

3890 VINE ST

Year	Uses	Source
1960	Sages Complete Markets	Luskeys Brothers & Co., Publishers
1955	Sages Bakery sis rm	Luskeys Brothers & Co., Publishers

3945 VINE ST

Year	Uses	Source
1960	Sanitation Dep L	Luskeys Brothers & Co., Publishers
	Sewage Treatment	Luskeys Brothers & Co., Publishers
	Division C	Luskeys Brothers & Co., Publishers
	Street Dept Mtce	Luskeys Brothers & Co., Publishers
	Equip Mtce Div	Luskeys Brothers & Co., Publishers

FINDINGS

Year	Uses	Source
1960	Bldg&Parking Mtce	Luskeys Brothers & Co., Publishers
	City Publlc Serv Dept	Luskeys Brothers & Co., Publishers
	Division	Luskeys Brothers & Co., Publishers

FINDINGS

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
3034 10th Street	1993, 1981, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921

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
2904 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2904 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2906 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1941, 1931, 1930, 1927, 1925, 1924, 1921
2908 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2910 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2912 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2912 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2914 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2914 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2916 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2916 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2917 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2917 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2918 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2919 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2919 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2919 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2921 11TH	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2921 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2923 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2927 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2928 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2928 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2928 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2929 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2929 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1970, 1967, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2931 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2931 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2933 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2933 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2933 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1946, 1941, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2935 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2937 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2938 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2938 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2938 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1970, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2939 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2939 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2939 11TH ST	2014, 2010, 2005, 2002, 2001, 1993, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2939 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2944 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1931, 1930, 1927, 1925, 1924, 1921
2946 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2949 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1927, 1925, 1924, 1921
2949 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2949 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1977, 1970, 1967, 1966, 1961, 1956, 1946, 1945, 1941, 1931, 1927, 1925, 1924, 1921
2950 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1941, 1931, 1930, 1927, 1925, 1924, 1921
2950 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2950 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2950 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2950 9TH ST	2014, 2010, 2005, 2002, 1993, 1981, 1967, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2951 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2951 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1961, 1956, 1946, 1941, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2951 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2957 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2958 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1927, 1925, 1924, 1921
2958 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2960 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2960 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1967, 1961, 1956, 1951, 1941, 1931, 1927, 1925, 1924, 1921
2961 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2961 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2961 11TH ST	2014, 2010, 2005, 2002, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1941, 1931, 1927, 1925, 1924, 1921
2961 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2963 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2966 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2968 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2969 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2970 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2972 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2972 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2972 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1939, 1936, 1931, 1927, 1925, 1924, 1921
2973 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2973 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2973 9TH ST	2014, 2010, 2005, 2002, 1993, 1970, 1967, 1961, 1956, 1941, 1936, 1931, 1927, 1925, 1924, 1921
2975 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2976 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2976 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2977 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2977 11th St	2014, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2977 11th St	2014, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2978 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2979 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2980 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2980 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2980 11TH ST	2014, 2010, 2005, 2002, 1993, 1986, 1977, 1967, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2981 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2982 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1941, 1931, 1927, 1925, 1924, 1921
2982 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2982 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2982 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2982 9TH ST	2014, 2010, 2005, 2002, 1993, 1990, 1981, 1977, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2983 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
2983 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2984 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2985 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2987 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2987 11TH ST	2014, 2010, 2005, 2002, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2989 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2989 10th St	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2989 10th St	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2989 11TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2989 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1986, 1981, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2993 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2993 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2994 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1941, 1936, 1931, 1927, 1925, 1924, 1921
2994 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1967, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2995 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
2995 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
2996 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1967, 1966, 1961, 1960, 1956, 1955, 1946, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2997 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
2999 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3001 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
3005 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
3005 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
3006 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3006 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1981, 1977, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
3008 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3008 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
3009 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1927, 1925, 1924, 1921
3010 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3010 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
3012 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3014 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1977, 1967, 1966, 1961, 1956, 1955, 1946, 1941, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3015 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1931, 1927, 1925, 1924, 1921
3015 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3015 9TH ST	2014, 2010, 2005, 2002, 2001, 1993, 1970, 1967, 1961, 1956, 1951, 1941, 1931, 1927, 1925, 1924, 1921
3016 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3020 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1931, 1927, 1925, 1924, 1921
3021 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1939, 1936, 1931, 1927, 1925, 1924, 1921
3025 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1927, 1925, 1924, 1921
3032 11TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3036 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
3040 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
3065 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3075 10 OTH	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3075 10TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3075 10TH ST	2014, 2010, 2005, 2002, 1993, 1986, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3075 10th St	2014, 2010, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3075 10th St	2014, 2010, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3080 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3080 12TH ST	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3080 12th Street	2014, 2010, 2005, 1993, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3084 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
3084 10th St	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3084 10th St	2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3085 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3090 9TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1941, 1931, 1927, 1925, 1924, 1921
3111 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1941, 1931, 1927, 1925, 1924, 1921
3112 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1961, 1960, 1956, 1955, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3115 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3125 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1967, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

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Address Researched	Address Not Identified in Research Source
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3131 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1967, 1966, 1961, 1956, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3141 9TH	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3141 9TH ST	2014, 2010, 2005, 2002, 1993, 1967, 1966, 1961, 1956, 1941, 1931, 1927, 1925, 1924, 1921
3150 10TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3170 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3171 9TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
3204 10TH	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3204 10TH ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1981, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1930, 1927, 1925, 1924, 1921
3265 11TH ST	2014, 2010, 2005, 2002, 1996, 1993, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3880 VINE ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3888 COMMERCE	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3888 Commerce St	2014, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3888 Commerce St	2014, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3888 COMMERCE ST	2014, 2010, 2005, 2002, 1993, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3890 VINE ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3945 VINE ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3973 PARK AVE	2014, 2010, 2005, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1956, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
3985 PARK AVE	2014, 2010, 2005, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1956, 1951, 1941, 1931, 1927, 1925, 1924, 1921

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Address Researched	Address Not Identified in Research Source
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4004 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
4005 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4006 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
4008 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4009 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
4022 PARK AVE	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1977, 1967, 1961, 1956, 1955, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4030 PARK AVE	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1956, 1951, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4034 PARK AVE	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4037 PARK AVE	2014, 2010, 2005, 1996, 1993, 1990, 1967, 1966, 1961, 1956, 1946, 1941, 1931, 1927, 1925, 1924, 1921
4038 PARK AVE	2014, 2010, 2005, 1993, 1981, 1970, 1967, 1966, 1961, 1956, 1951, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4044 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4045 PARK AVE	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1970, 1967, 1966, 1961, 1956, 1951, 1941, 1931, 1927, 1925, 1924, 1921
4054 PARK AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1941, 1931, 1930, 1927, 1925, 1924, 1921
4063 PARK AVE	2014, 2010, 2005, 2002, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4103 HOWARD AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921
4110 HOWARD AVE	2014, 2010, 2005, 1993, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4120 HOWARD AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1946, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4125 HOWARD AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1931, 1927, 1925, 1924, 1921
4130 HOWARD AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4140 HOWARD AVE	2014, 2010, 2005, 2001, 1996, 1993, 1990, 1986, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921

FINDINGS

Address Researched	Address Not Identified in Research Source
4140 HOWARD ST	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921
4162 HOWARD AVE	2014, 2010, 2005, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1961, 1956, 1951, 1946, 1941, 1931, 1927, 1925, 1924, 1921

Ten APNs

3034 10th Street

Riverside, CA 92507

Inquiry Number: 5221946.3

March 16, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
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03/16/18

Site Name:	Client Name:
Ten APNs	Ninyo & Moore
3034 10th Street	475 Goddard
Riverside, CA 92507	Irvine, CA 92618
EDR Inquiry # 5221946.3	Contact: Dennis Fee

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Project 209691005

Maps Provided:

1969	1957	1891
1968	1955	1888
1965	1954	1887
1962	1953	
1961	1952	
1960	1950	
1959	1908	
1958	1895	

Sanborn® Library search results

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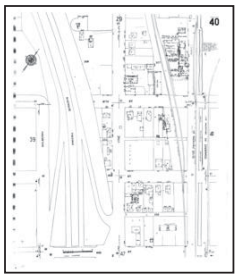
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1969 Source Sheets

Volume 1, Sheet 29

Volume 1, Sheet 30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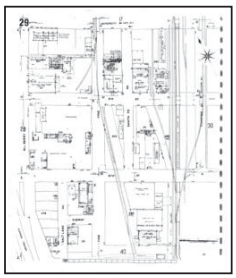
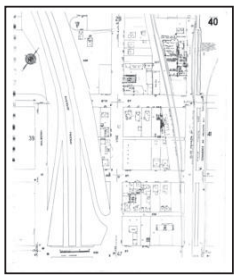
1968 Source Sheets


Volume 1, Sheet 29


Volume 1, Sheet 40

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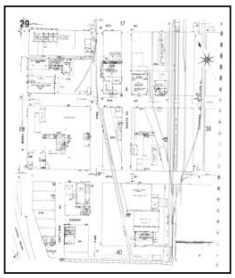
1965 Source Sheets

Volume 1, Sheet 41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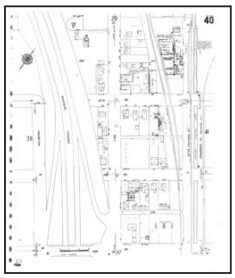
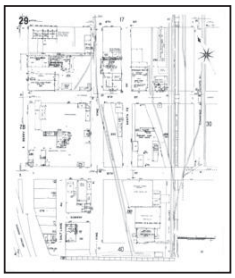

Volume 1, Sheet 40

1962 Source Sheets

Volume 1, Sheet 41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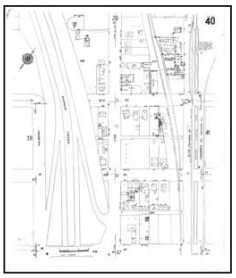
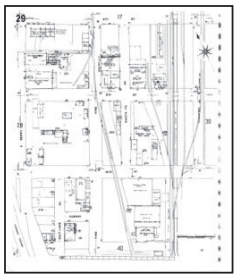

Volume 1, Sheet 40

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1961 Source Sheets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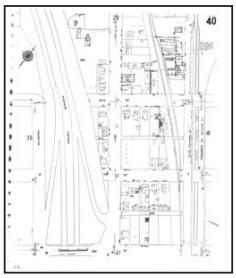
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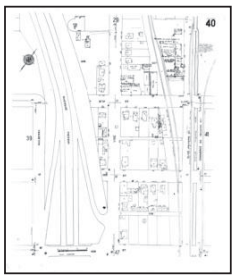
1960 Source Sheets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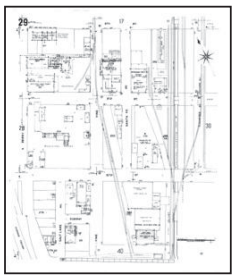
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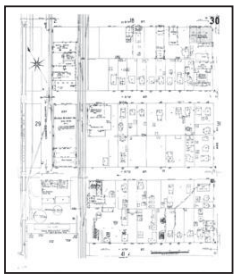
1959 Source Sheets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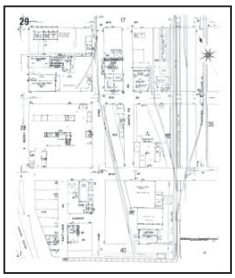
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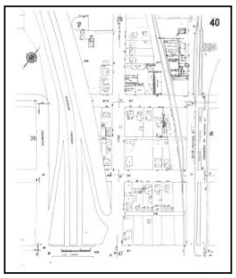
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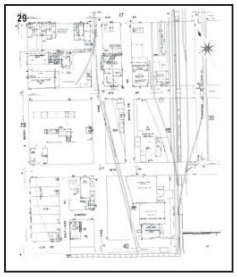
1958 Source Sheets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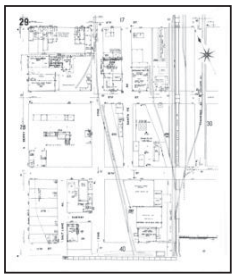
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1957 Source Sheets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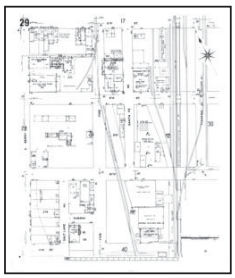
1955 Source Sheets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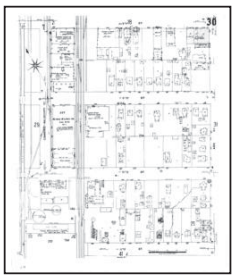
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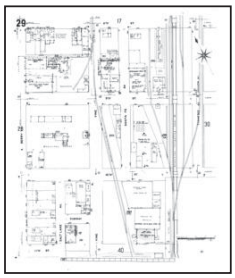
1954 Source Sheets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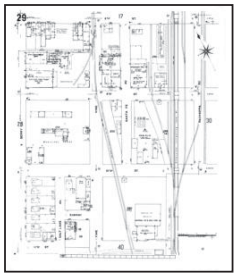
1953 Source Sheets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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1952 Source Sheets

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1950 Source Sheets

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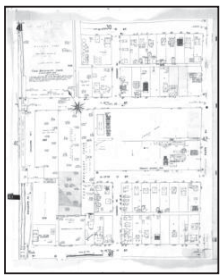
Volume 1, Sheet 41

1908 Source Sheets

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Volume 1, Sheet 41

Volume 1, Sheet 29

Volume 1, Sheet 30

1895 Source Sheets

Volume 1, Sheet 14

Volume 1, Sheet 15

Volume 1, Sheet 20

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1891 Source Sheets

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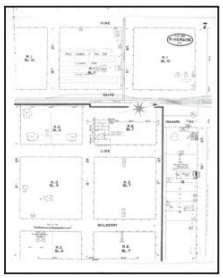
Volume 1, Sheet 7

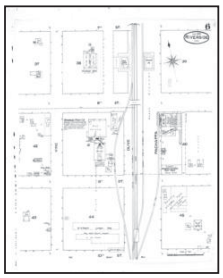
1888 Source Sheets



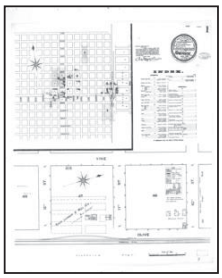
Volume 1, Sheet 7

Volume 1, Sheet 6

1887 Source Sheets



Volume 1, Sheet 6



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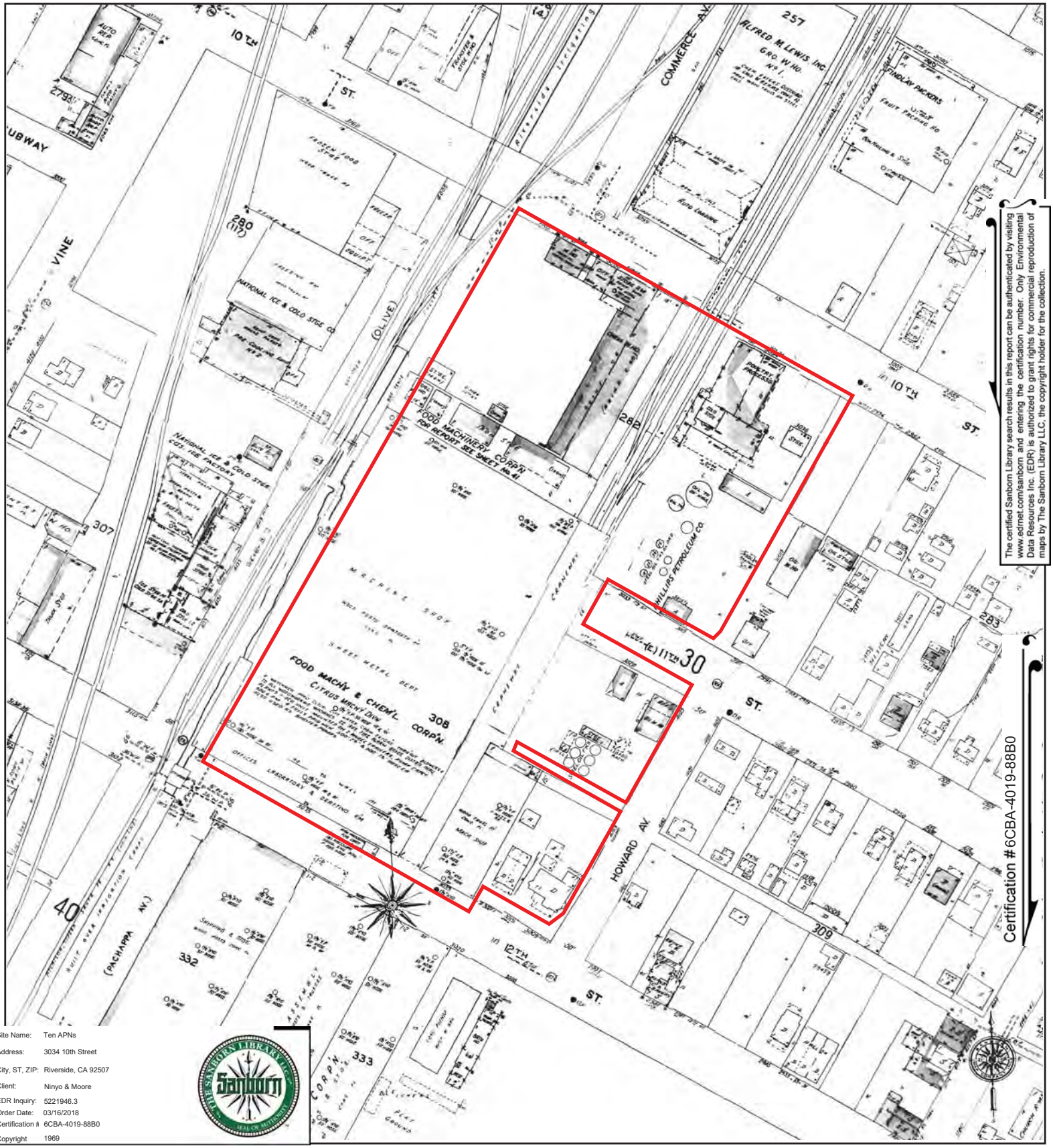
1969



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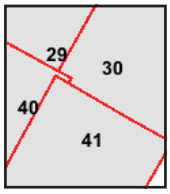

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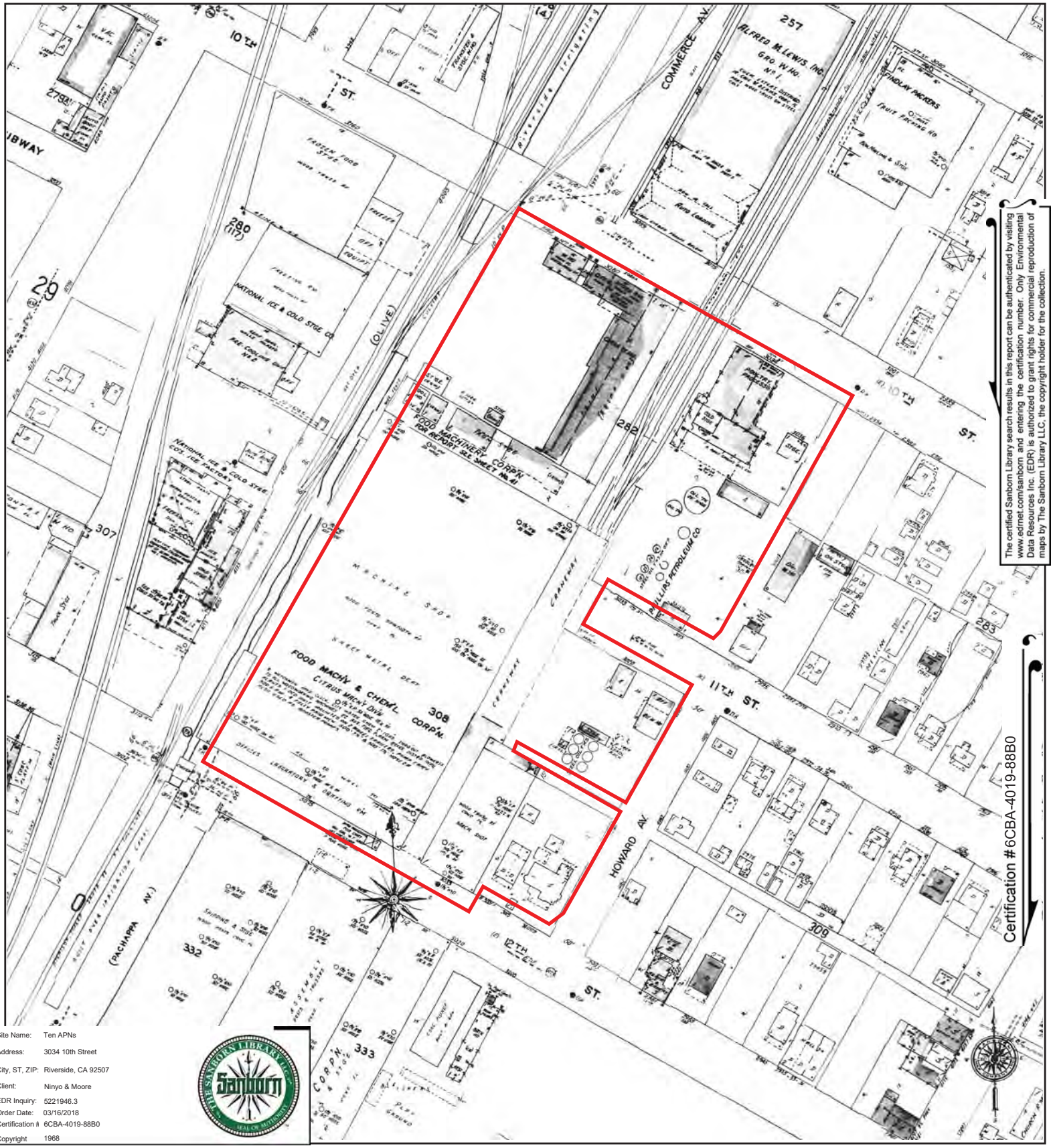
Volume 1, Sheet 30
Volume 1, Sheet 29

N

Certified Sanborn® Map

1968



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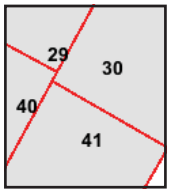

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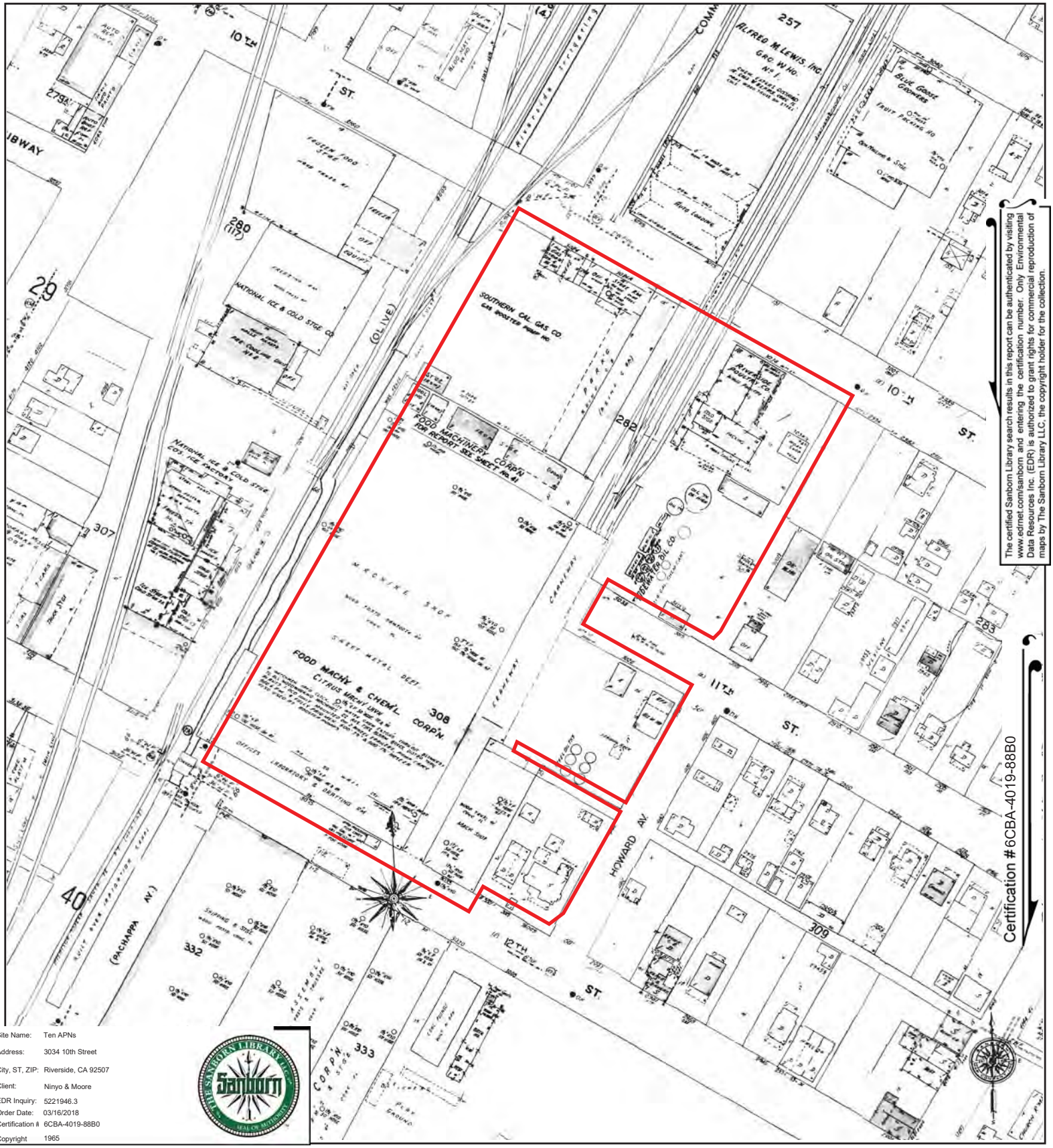
N

Certified Sanborn® Map

1965



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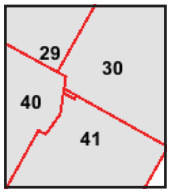

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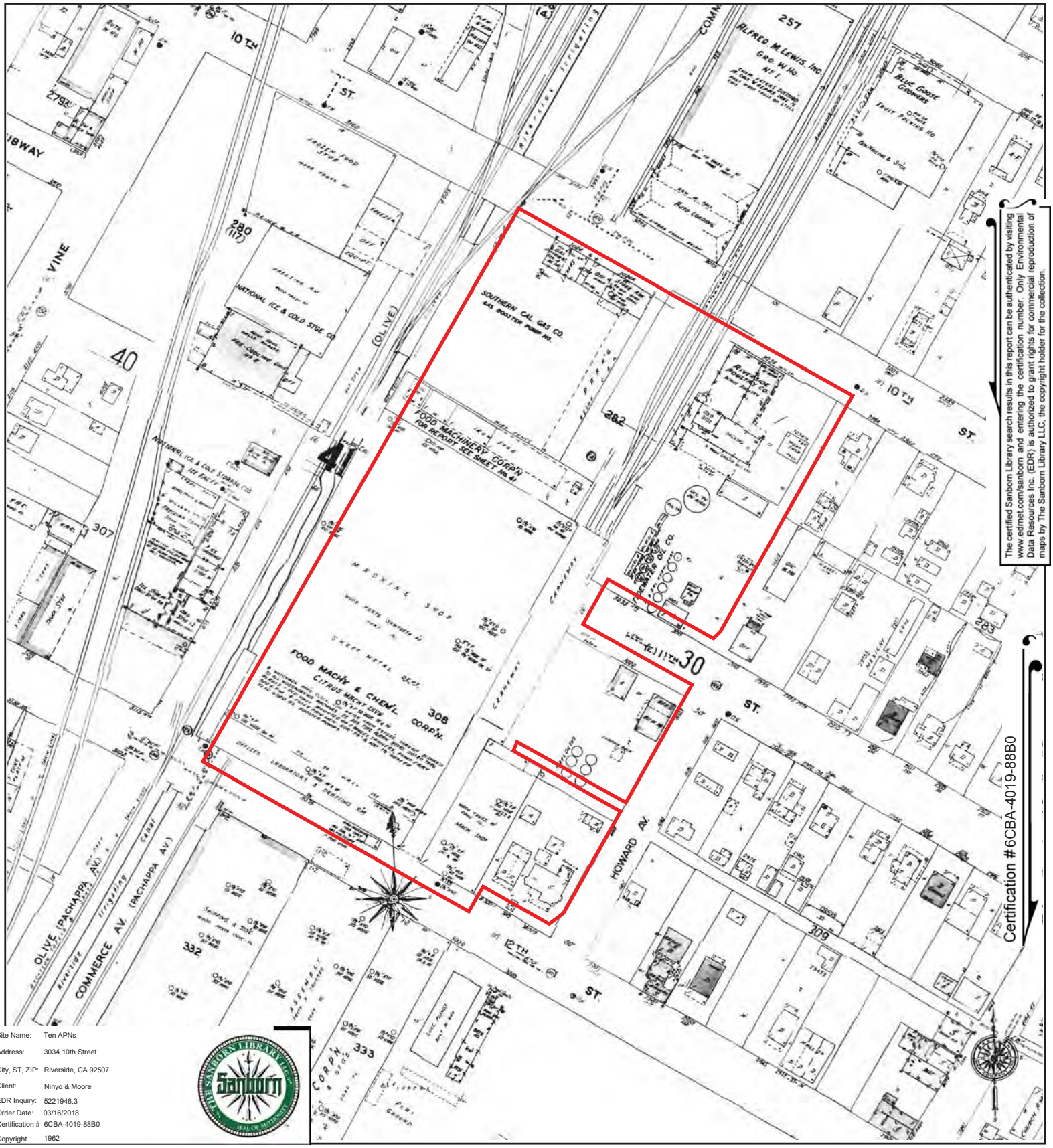
Volume 1, Sheet 41

N

Certified Sanborn® Map

1962



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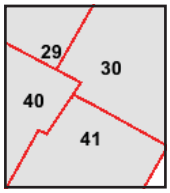

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Volume 1, Sheet 41

N

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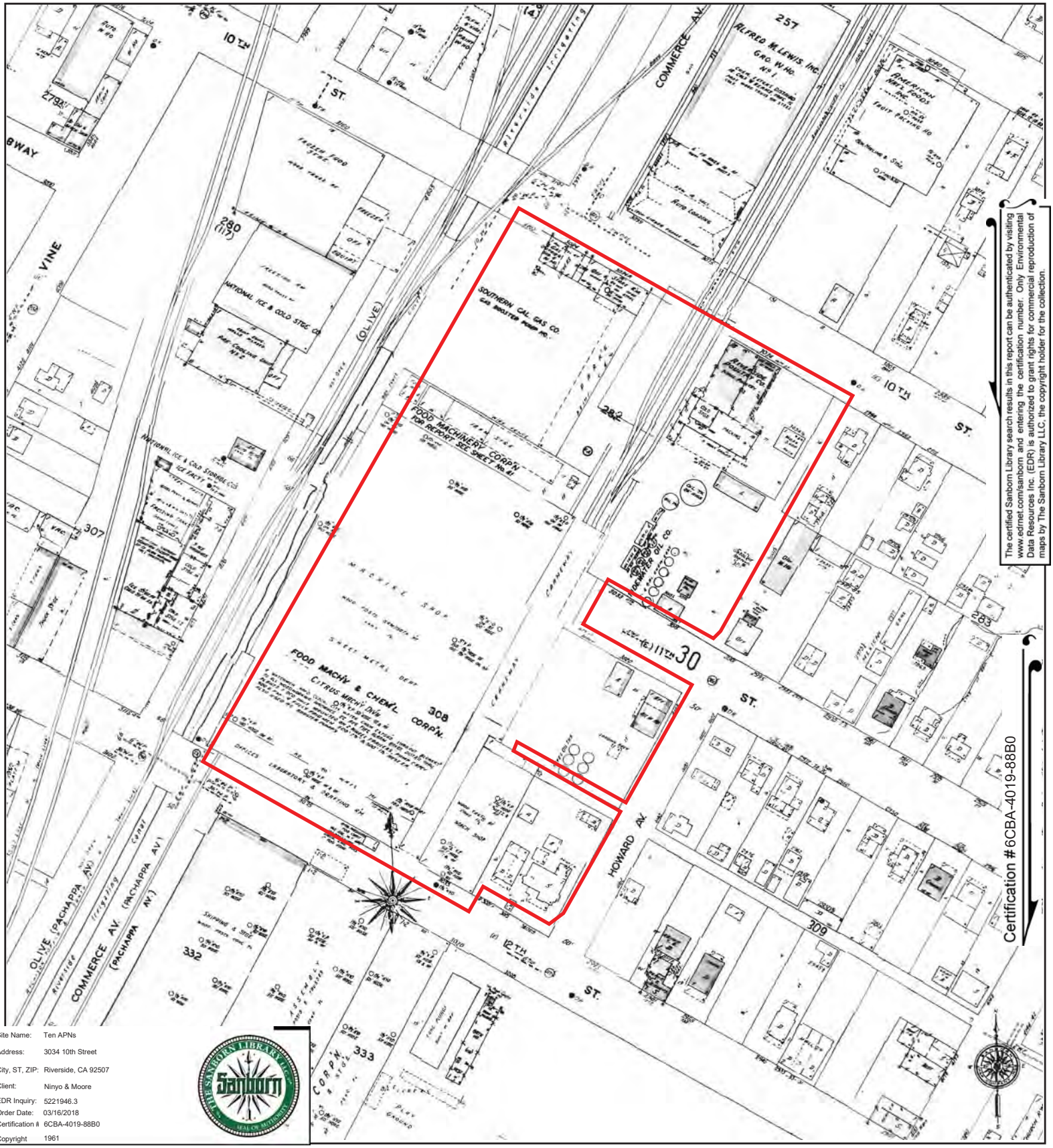
1961



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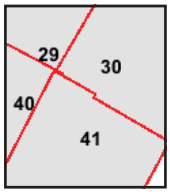

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Volume 1, Sheet 29

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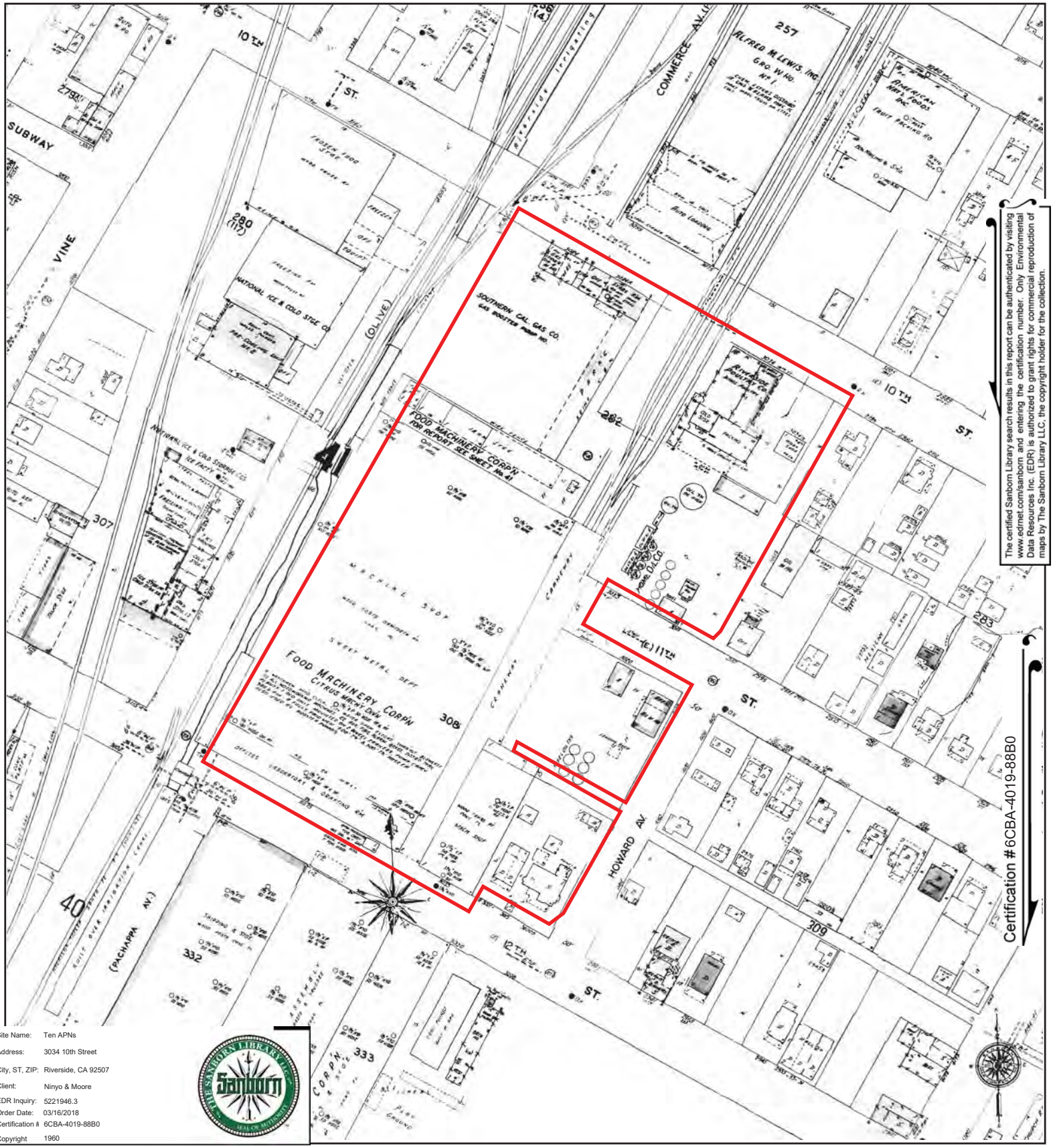
Certified Sanborn® Map

1960



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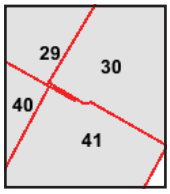

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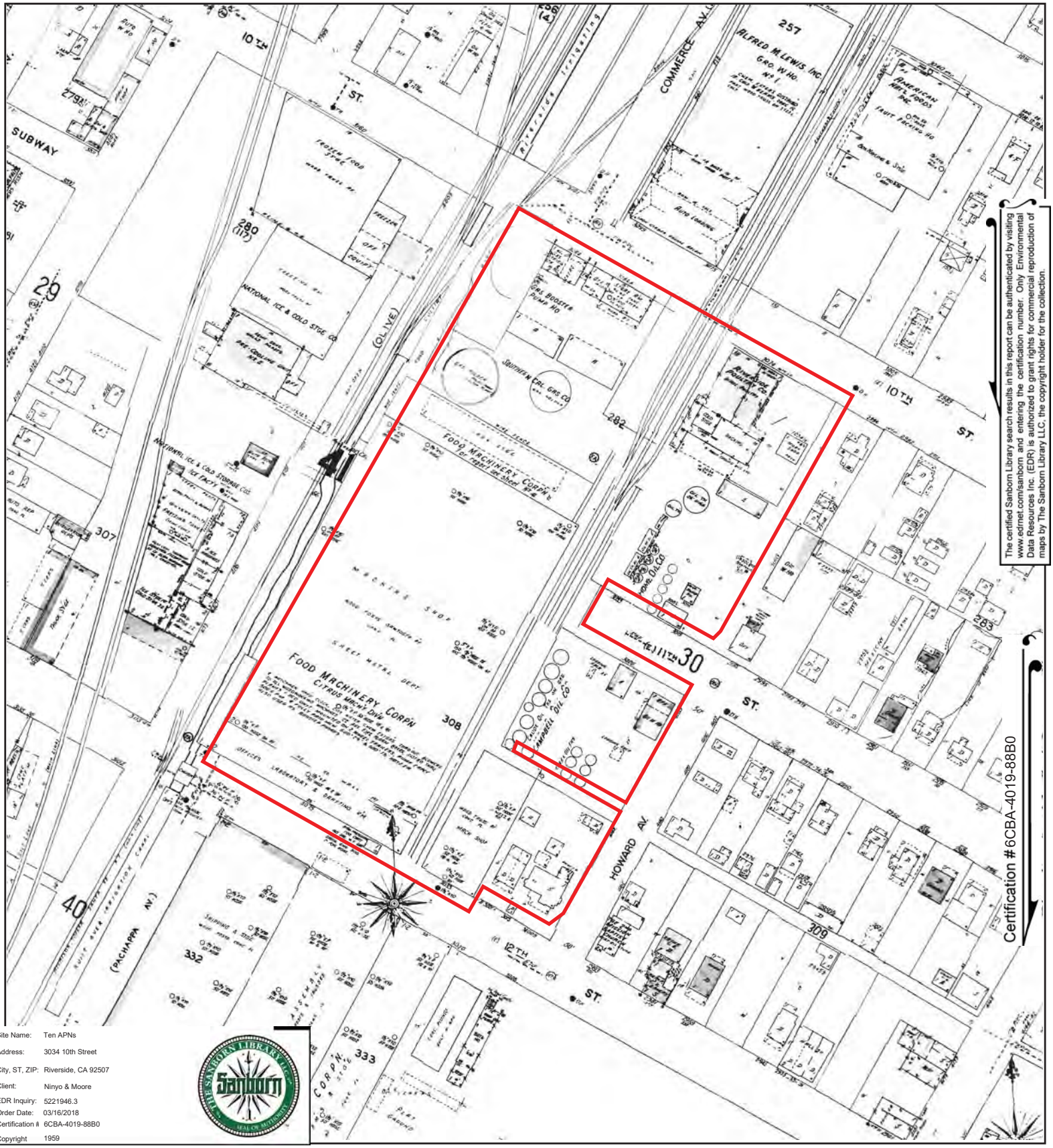
1959



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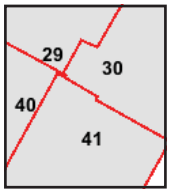

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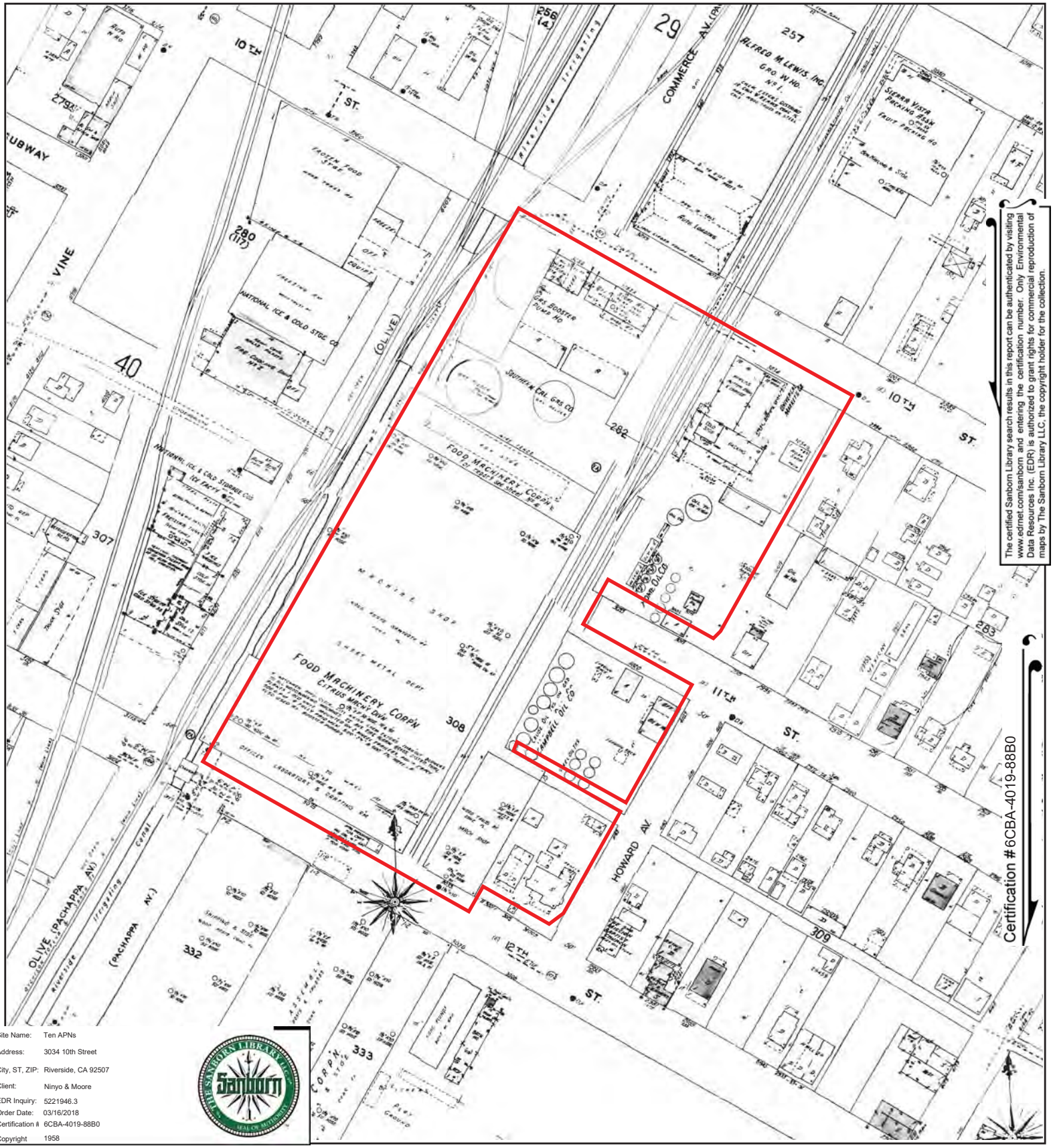
1958



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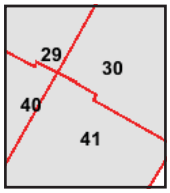

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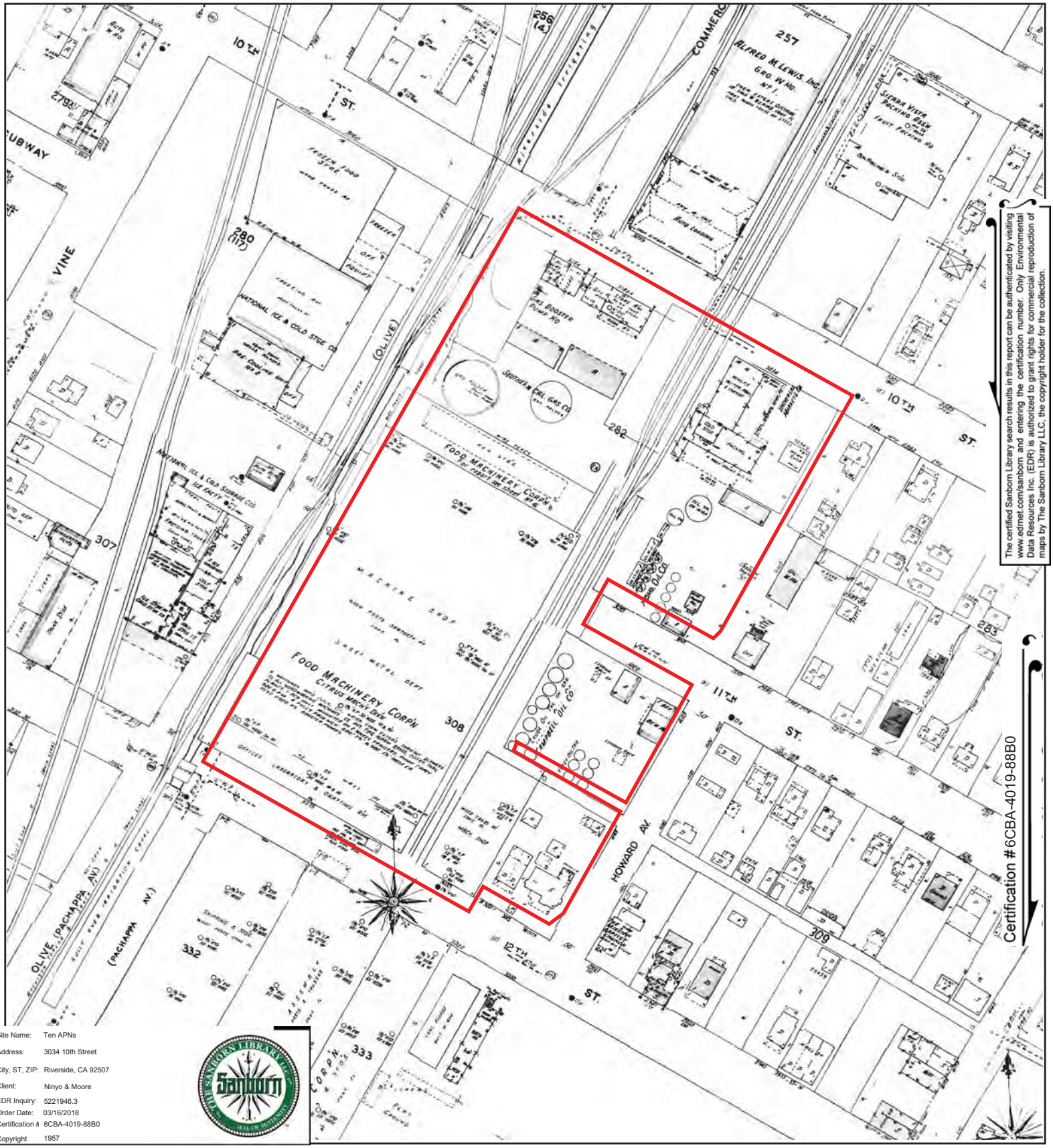
1957



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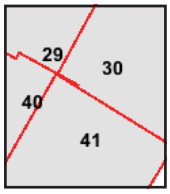

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N

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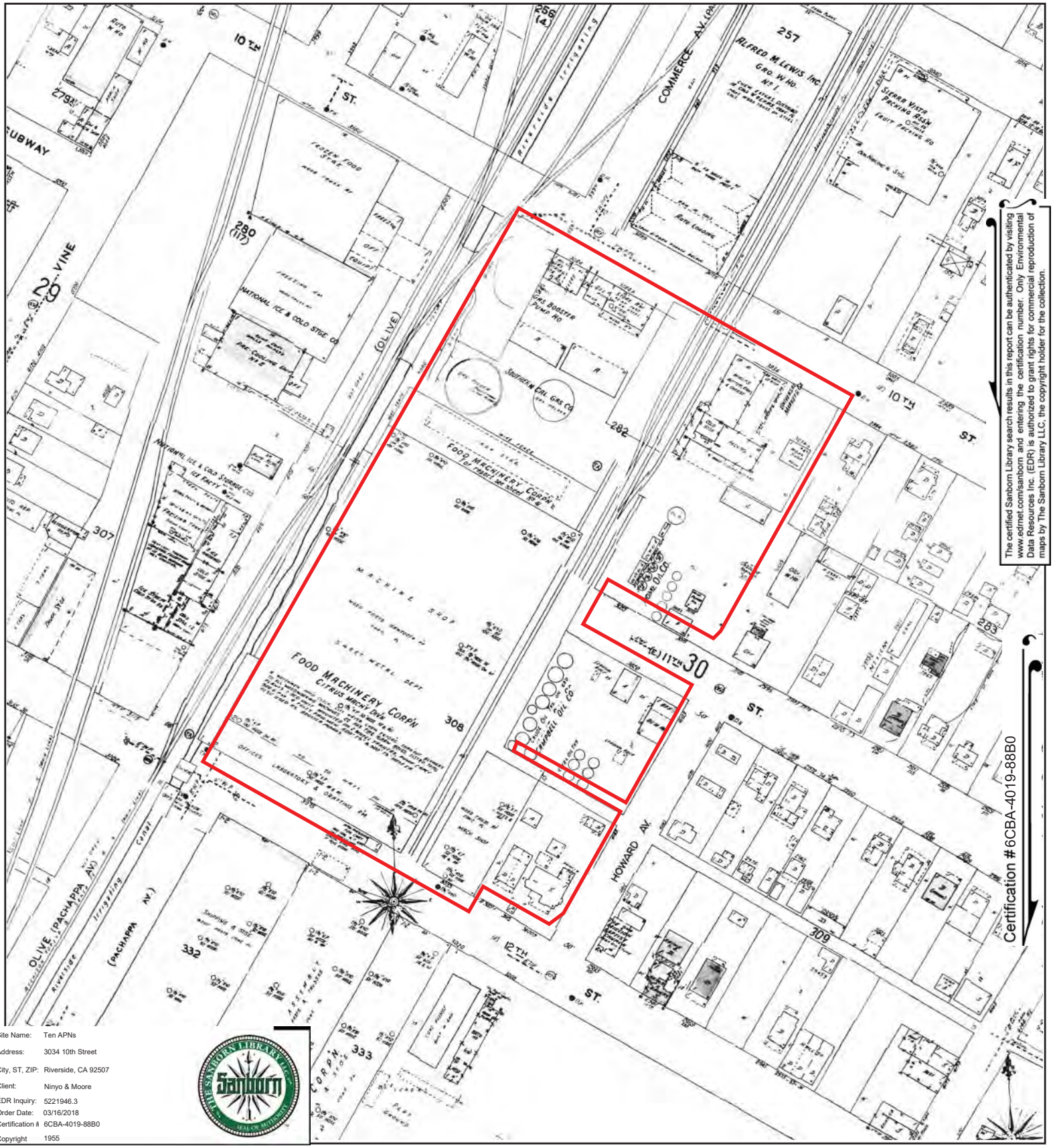
1955



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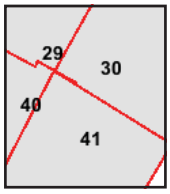

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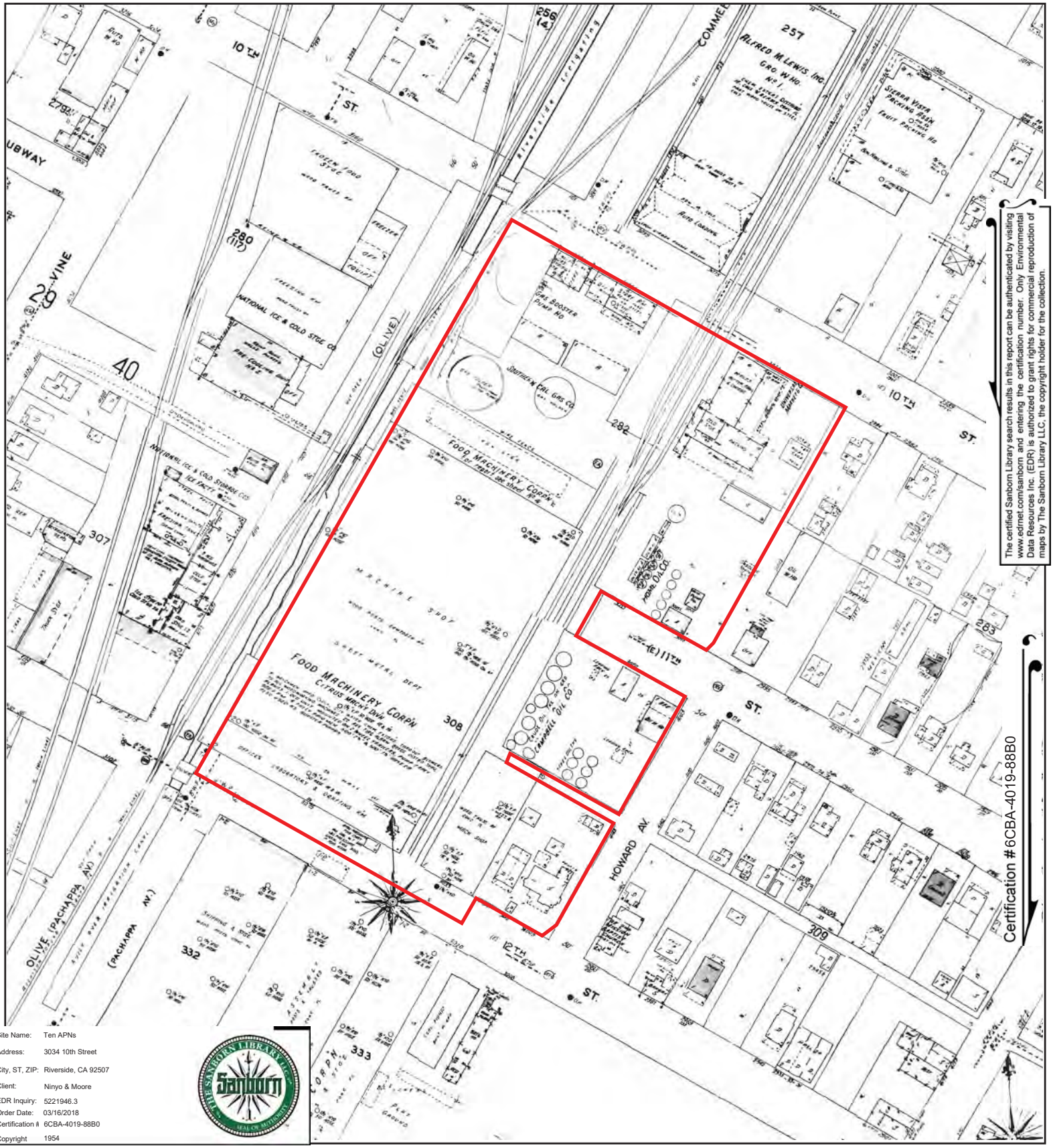
N

Certified Sanborn® Map

1954



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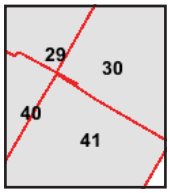

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Volume 1, Sheet 29

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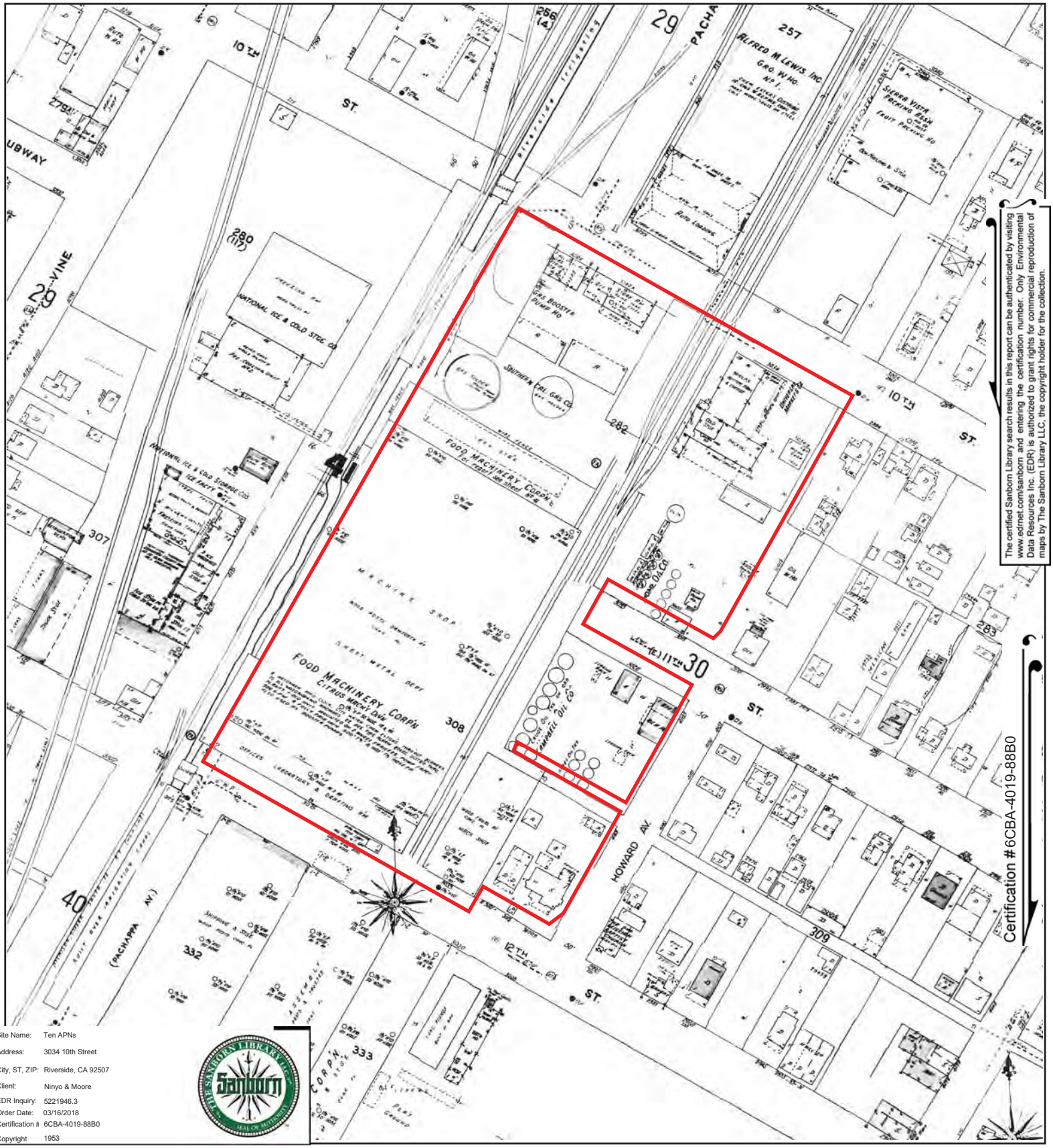
1953



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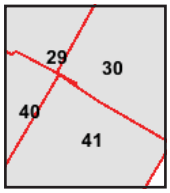

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N

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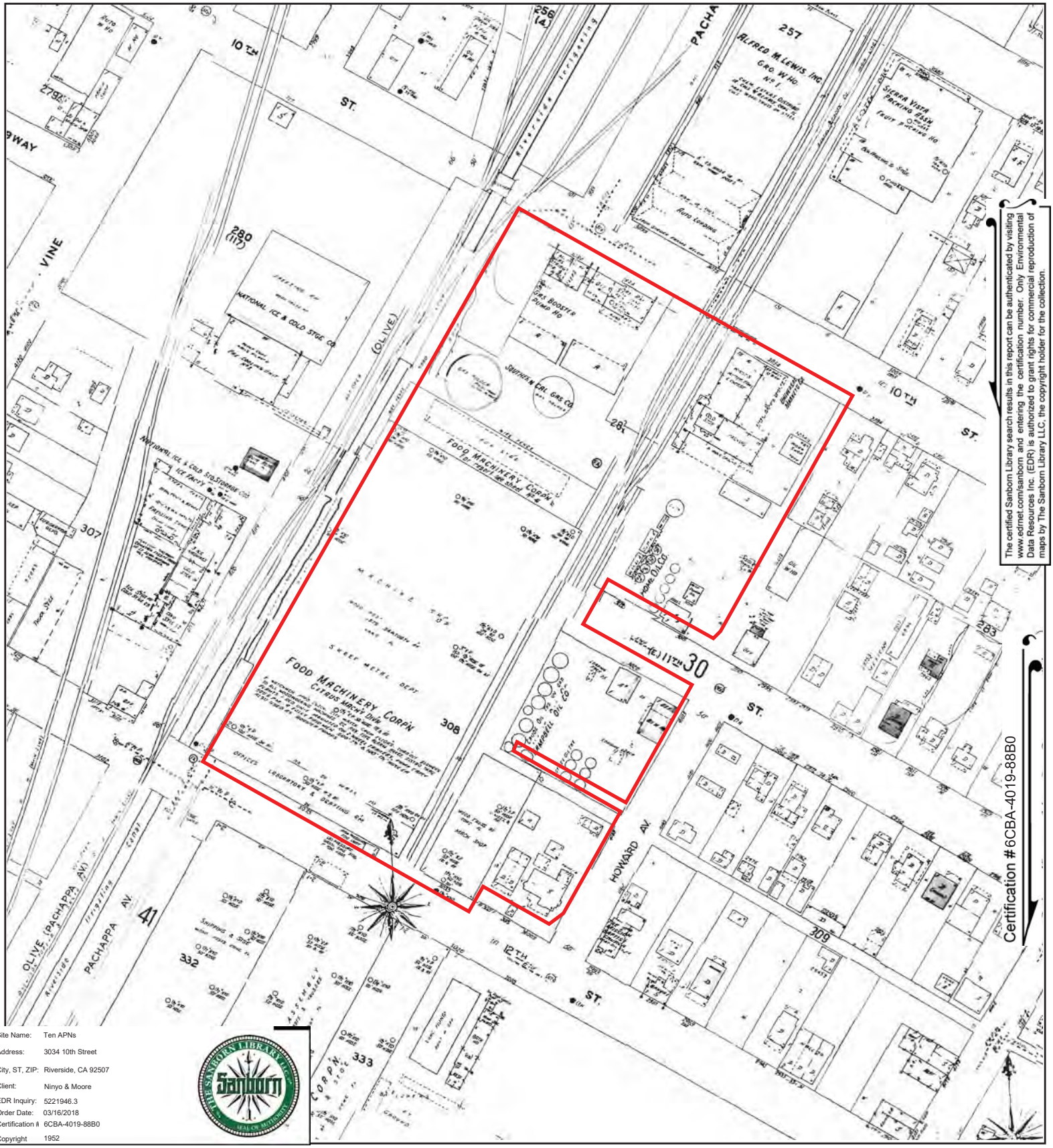
1952



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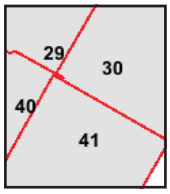

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N

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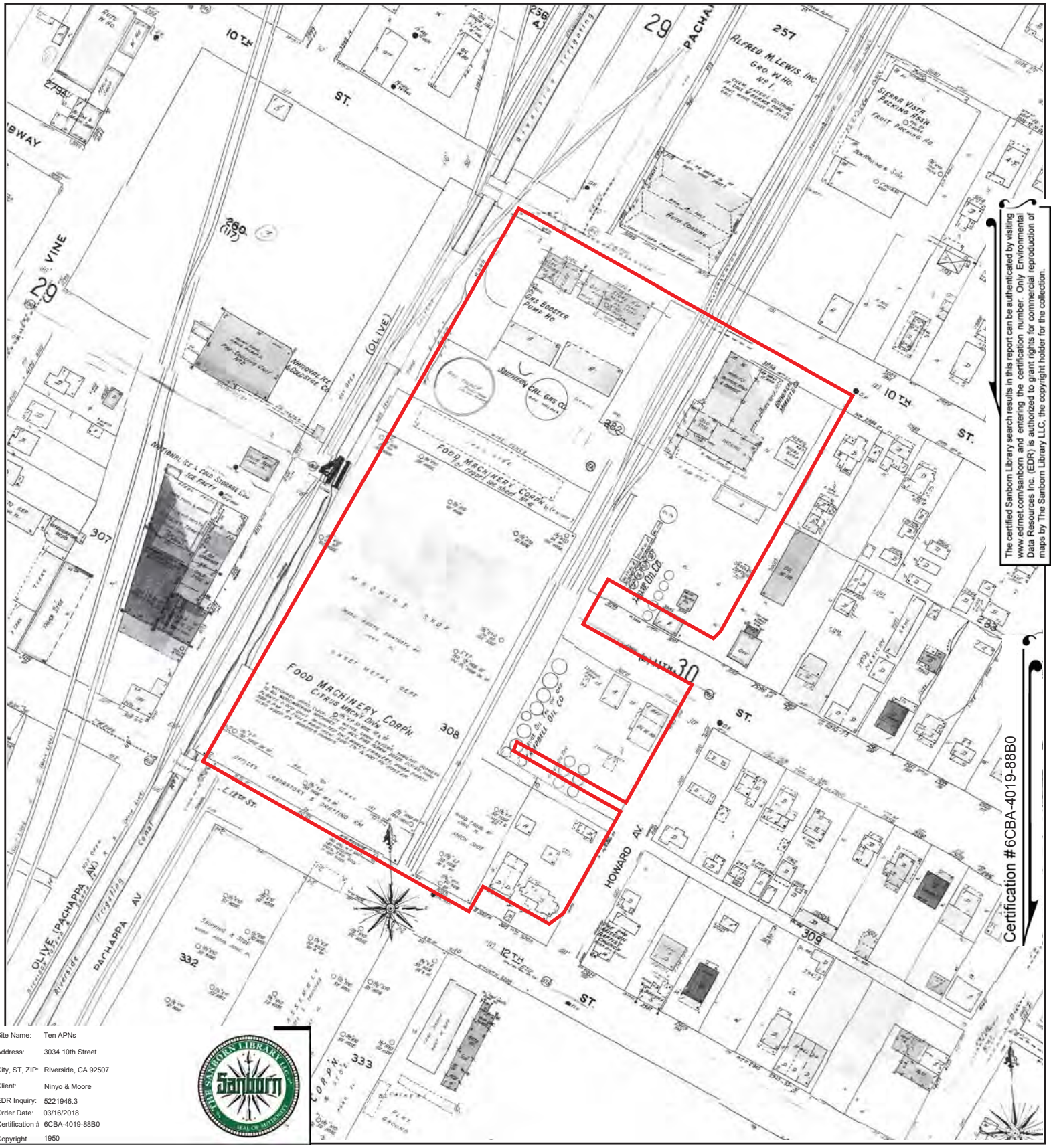
1950



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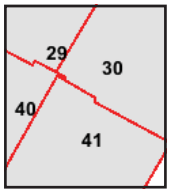

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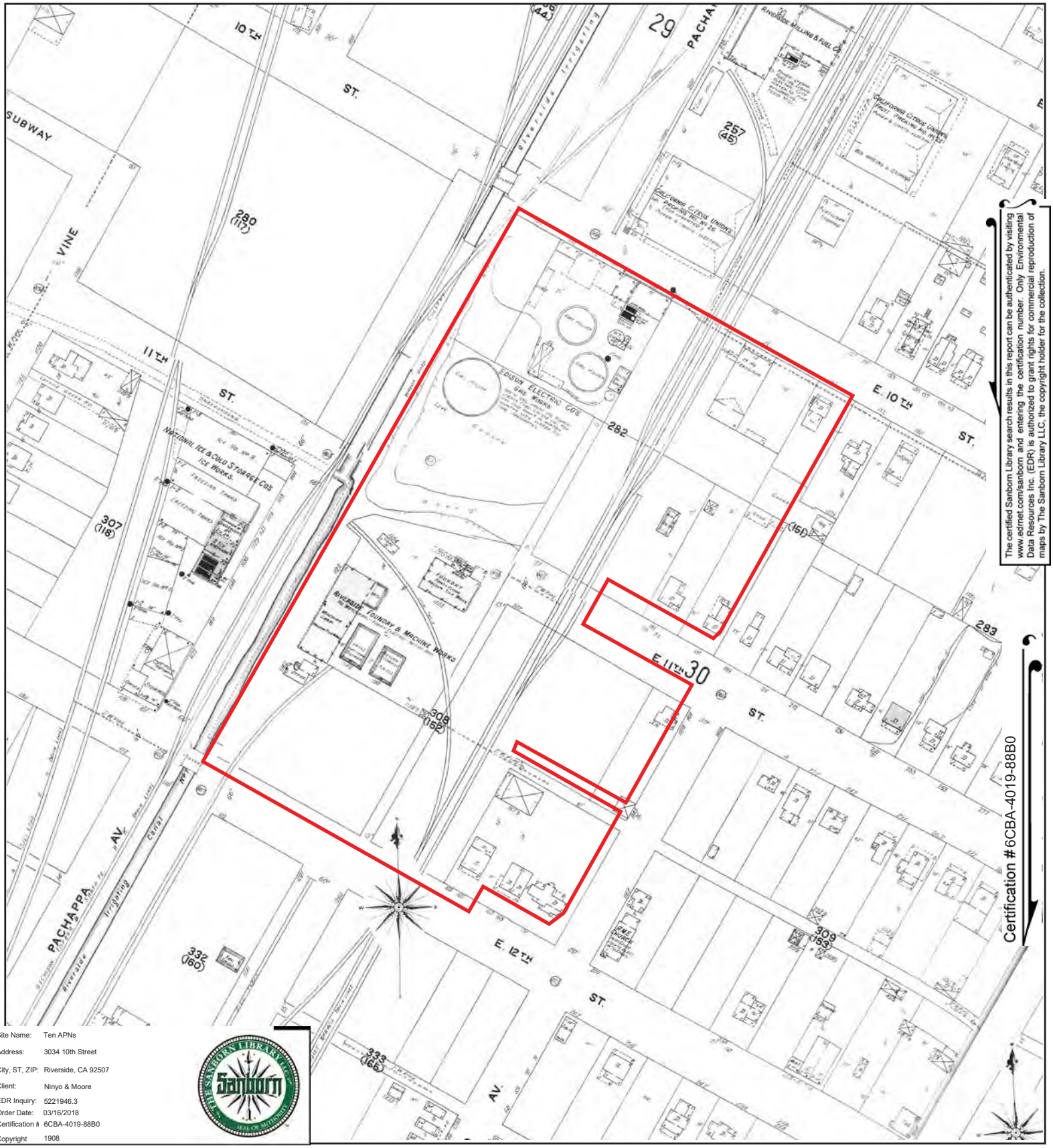
N

Certified Sanborn® Map

1908



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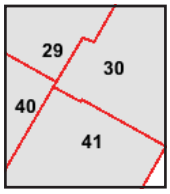
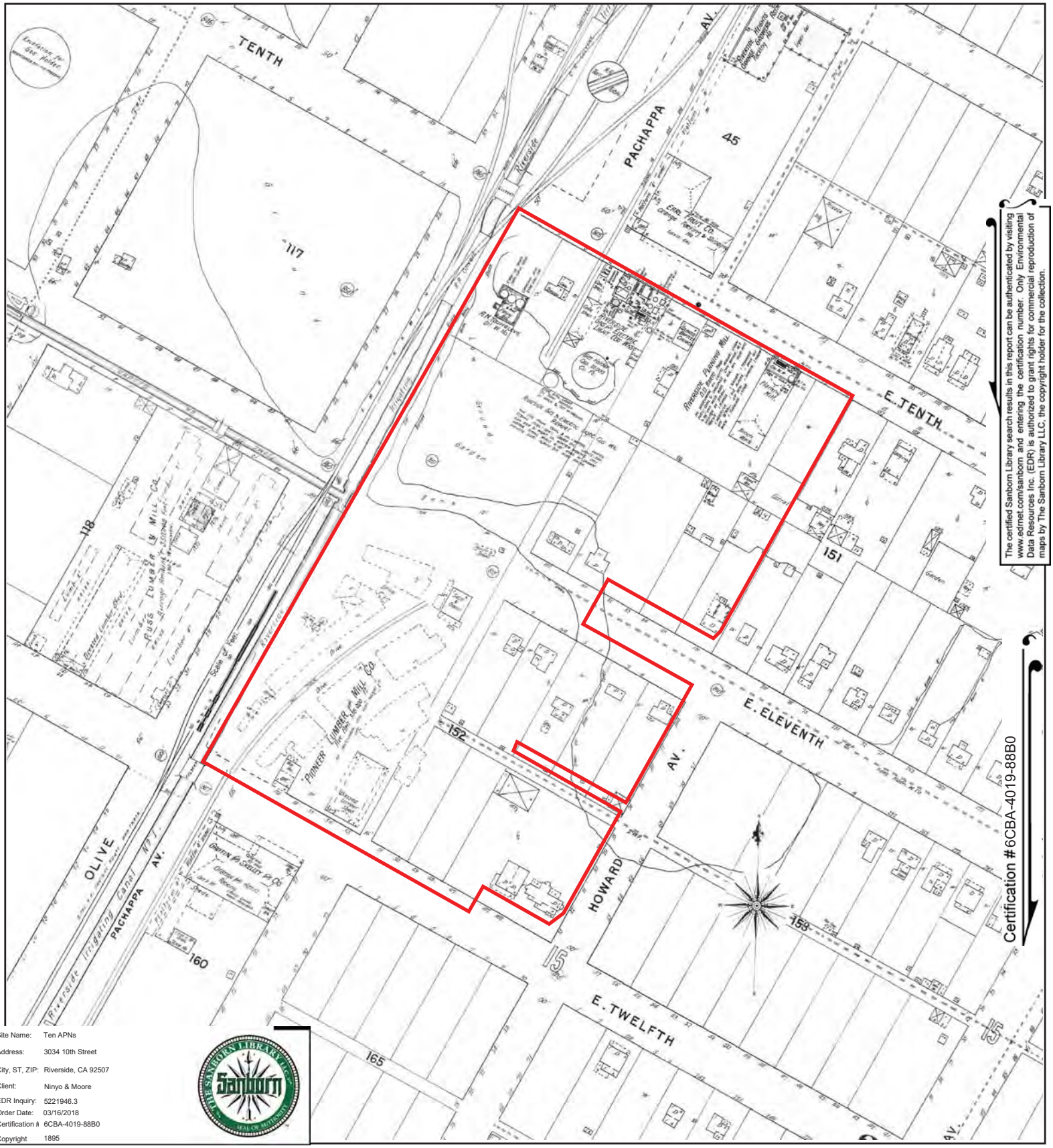


Volume 1, Sheet 30
Volume 1, Sheet 29
Volume 1, Sheet 41
Volume 1, Sheet 40

N

Certified Sanborn® Map



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Site Name:	Ten APNs
Address:	3034 10th Street
City, ST, ZIP:	Riverside, CA 92507
Client:	Ninyo & Moore
EDR Inquiry:	5221946.3
Order Date:	03/16/2018
Certification #	6CBA-4019-88B0
Copyright	1895

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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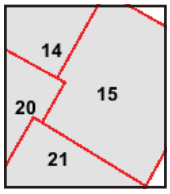
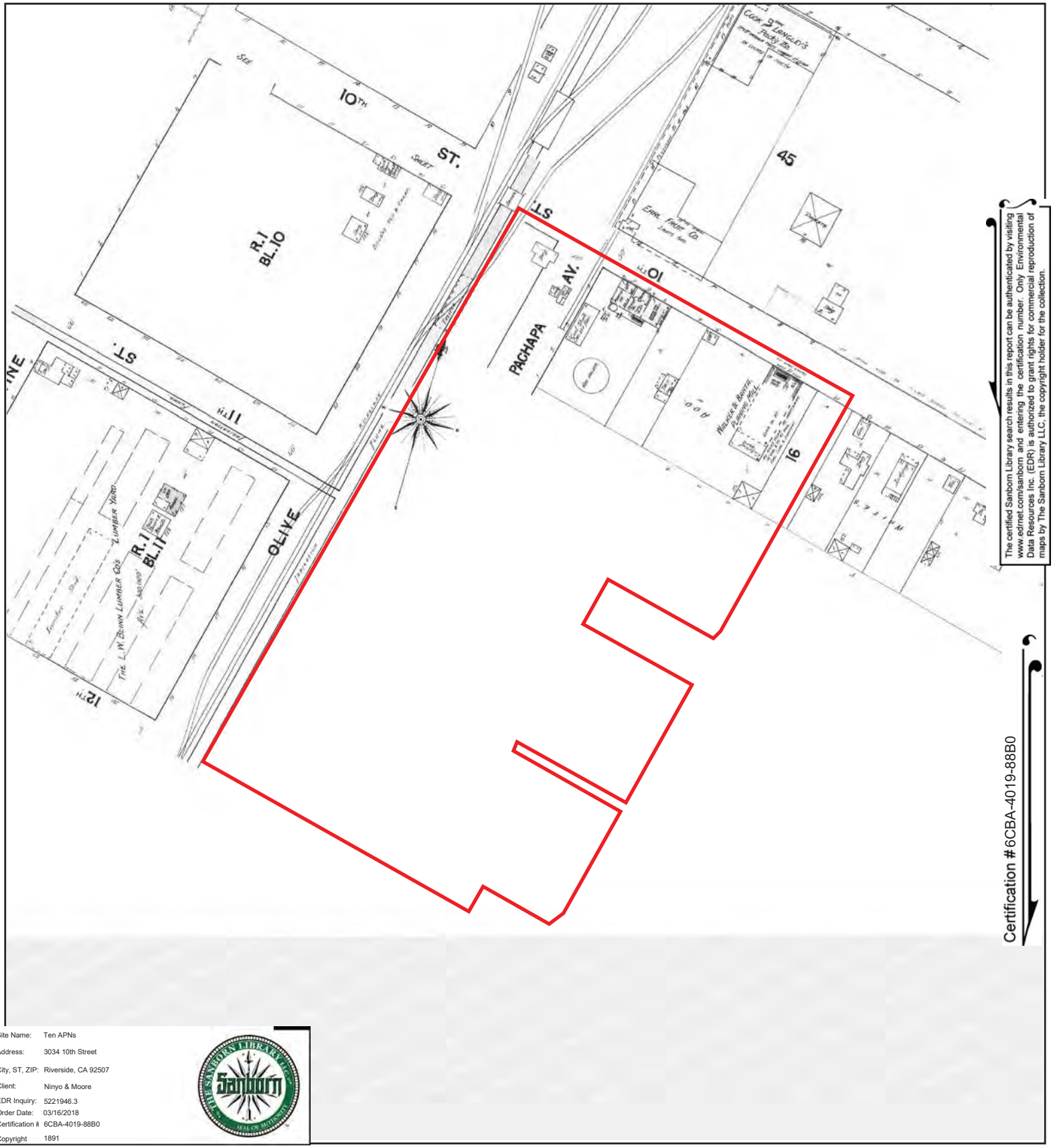


Volume 1, Sheet 21
Volume 1, Sheet 20
Volume 1, Sheet 15
Volume 1, Sheet 14

N

Certified Sanborn® Map

1891



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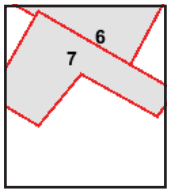

Volume 1, Sheet 7
Volume 1, Sheet 6

0 Feet 150 300 600

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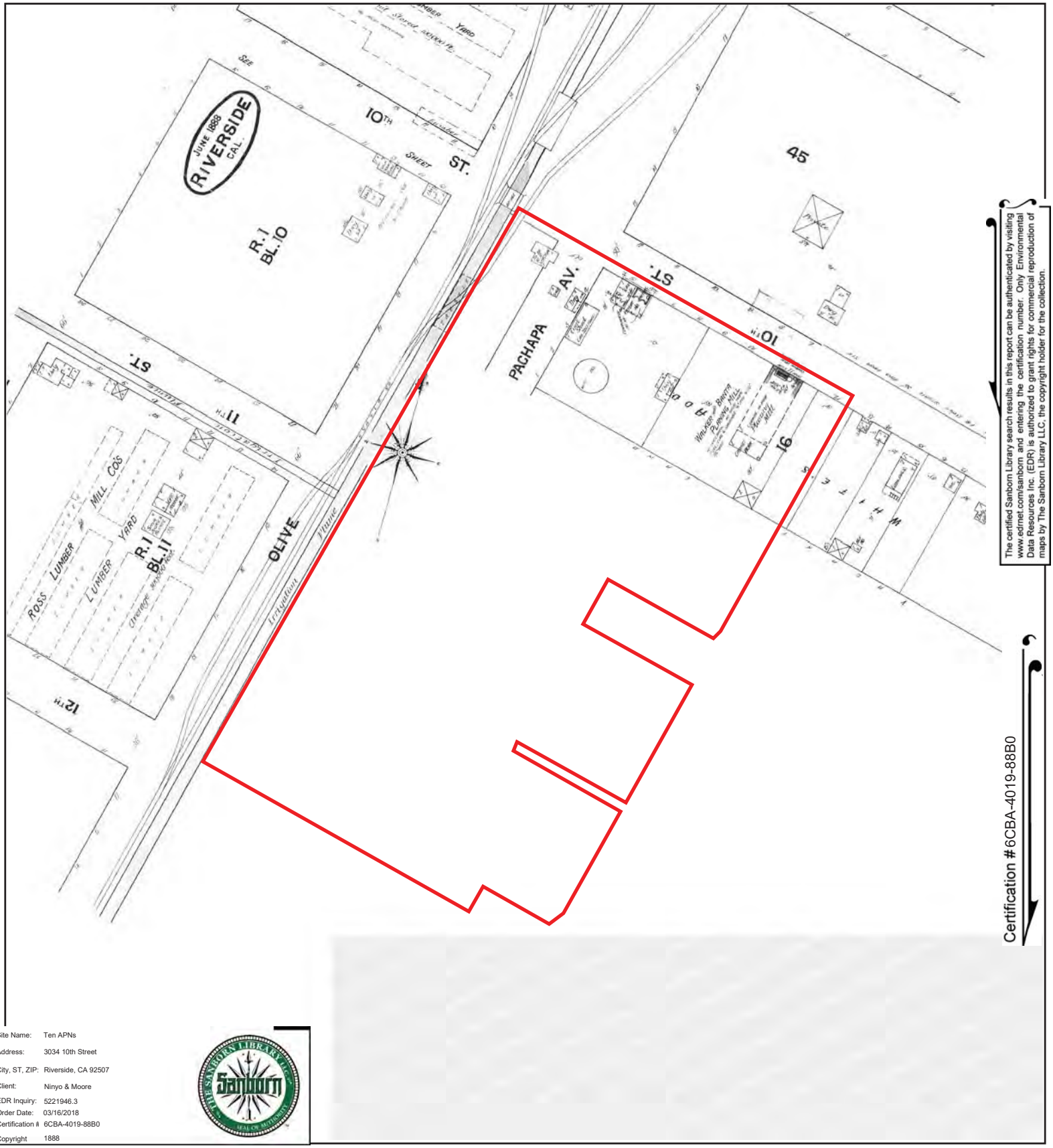
Certified Sanborn® Map

1888



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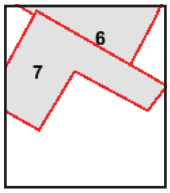
Site Name:	Ten APNs
Address:	3034 10th Street
City, ST, ZIP:	Riverside, CA 92507
Client:	Ninyo & Moore
EDR Inquiry:	5221946.3
Order Date:	03/16/2018
Certification #	6CBA-4019-88B0
Copyright	1888

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



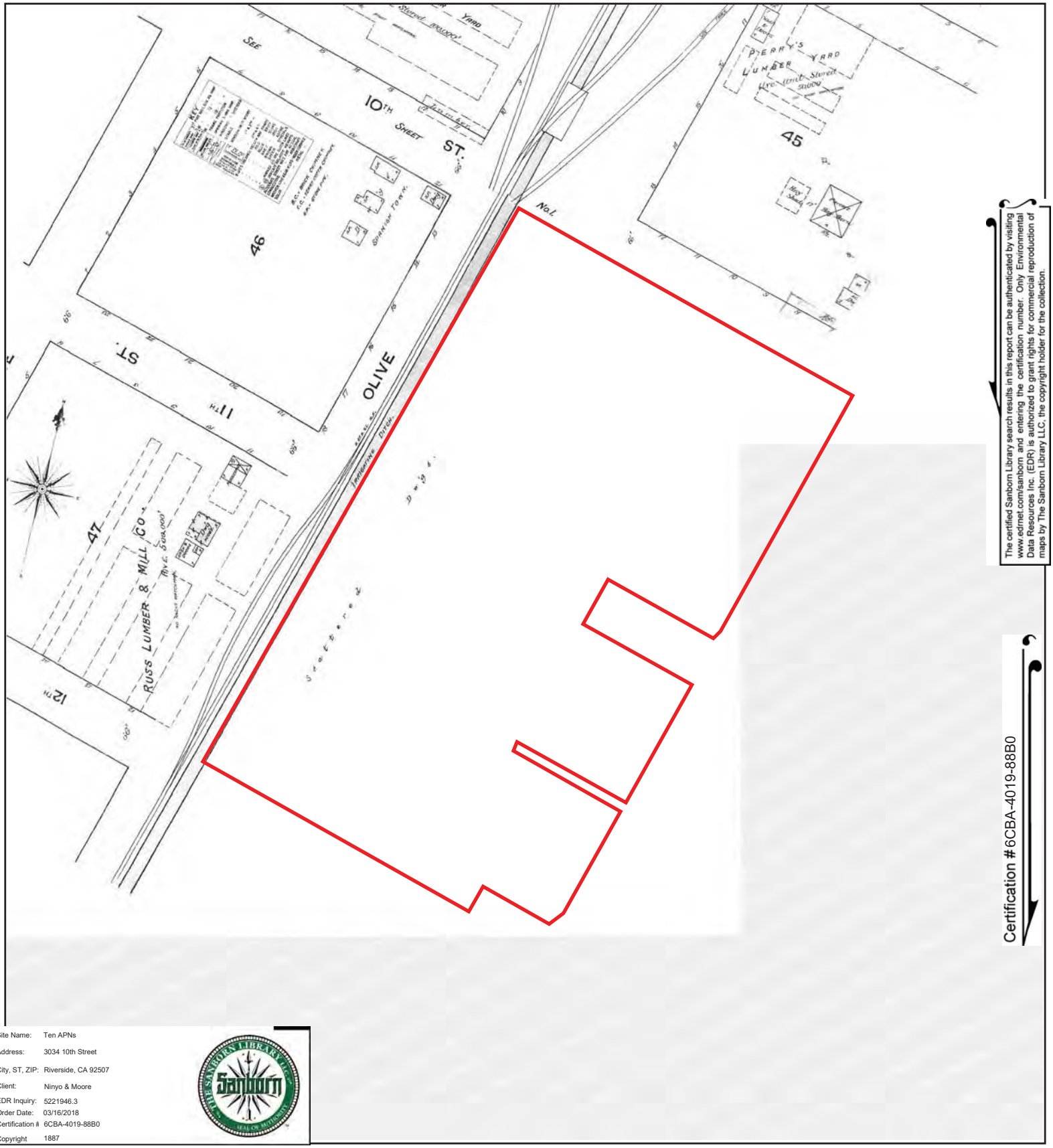
Volume 1, Sheet 6
Volume 1, Sheet 7

0 Feet 150 300 600

N

Certified Sanborn® Map

1887



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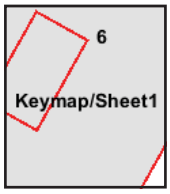
Certification #6CBA-4019-88B0

Site Name:	Ten APNs
Address:	3034 10th Street
City, ST, ZIP:	Riverside, CA 92507
Client:	Ninyo & Moore
EDR Inquiry:	5221946.3
Order Date:	03/16/2018
Certification #	6CBA-4019-88B0
Copyright	1887

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet Keymap/Sheet1
Volume 1, Sheet 6

N

Ten APNs

3034 10th Street

Riverside, CA 92507

Inquiry Number: 5221946.12

March 19, 2018

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

03/19/18

Site Name:

Ten APNs
3034 10th Street
Riverside, CA 92507
EDR Inquiry # 5221946.12

Client Name:

Ninyo & Moore
475 Goddard
Irvine, CA 92618
Contact: Dennis Fee

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*
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: August 29, 1990	USDA
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1978	1"=500'	Flight Date: September 20, 1978	USDA
1967	1"=500'	Flight Date: May 15, 1967	USDA
1959	1"=500'	Flight Date: October 15, 1959	USGS
1953	1"=500'	Flight Date: January 23, 1953	USDA
1949	1"=500'	Flight Date: May 06, 1949	USDA
1938	1"=500'	Flight Date: July 05, 1938	USDA
1931	1"=500'	Flight Date: September 18, 1931	USGS

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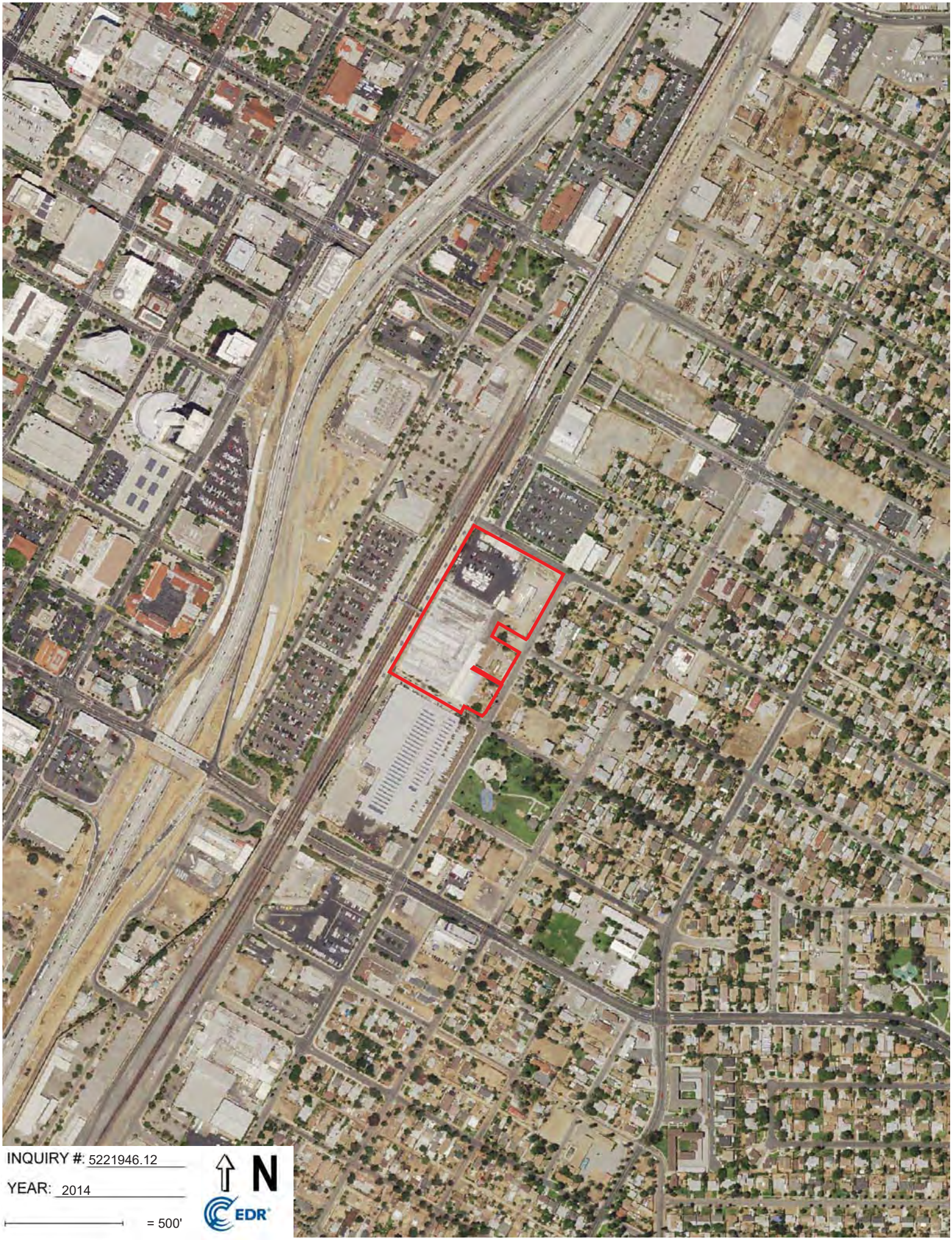
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= 500'
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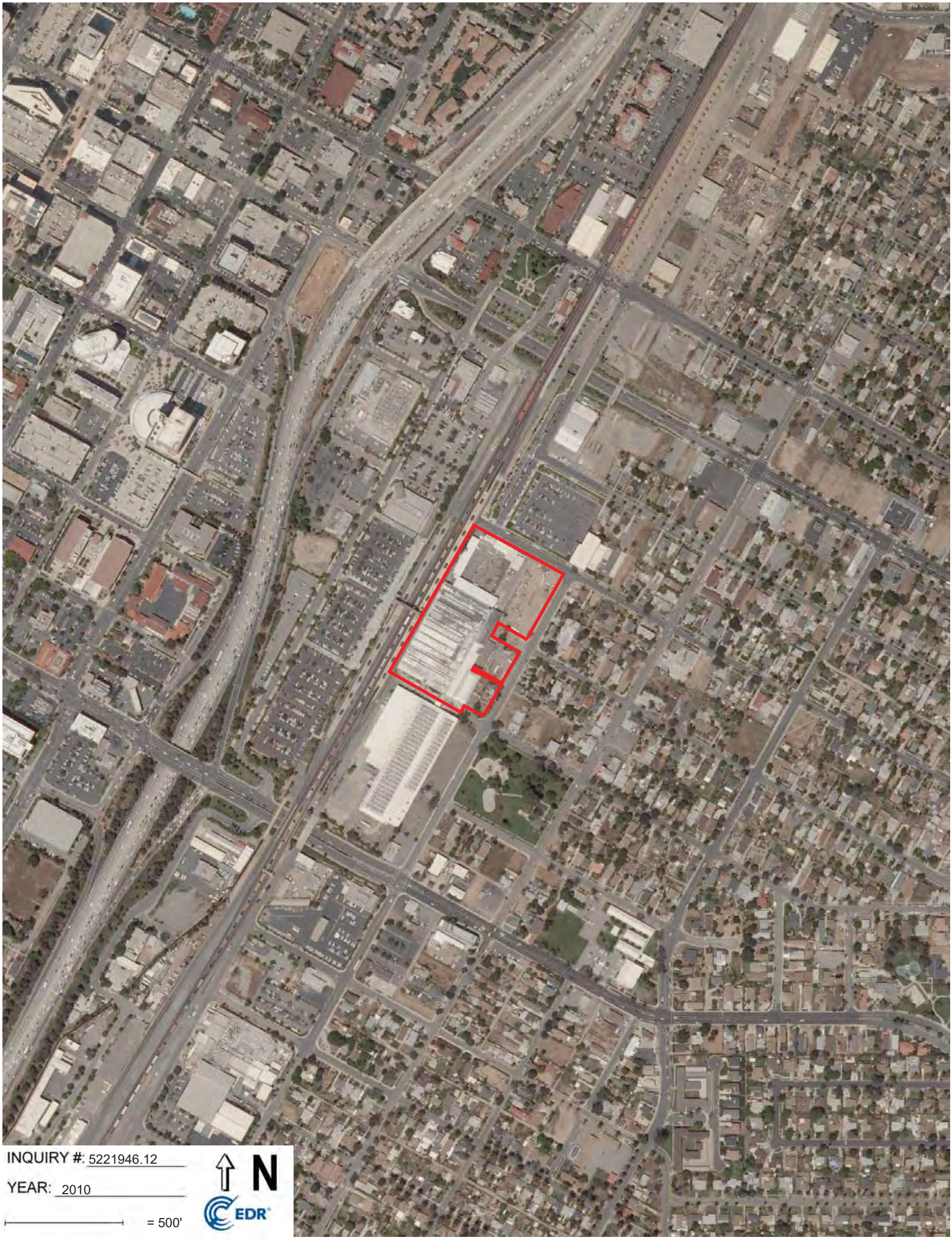
EDR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YEAR: 2010
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EDR

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YEAR: 2006
= 500'
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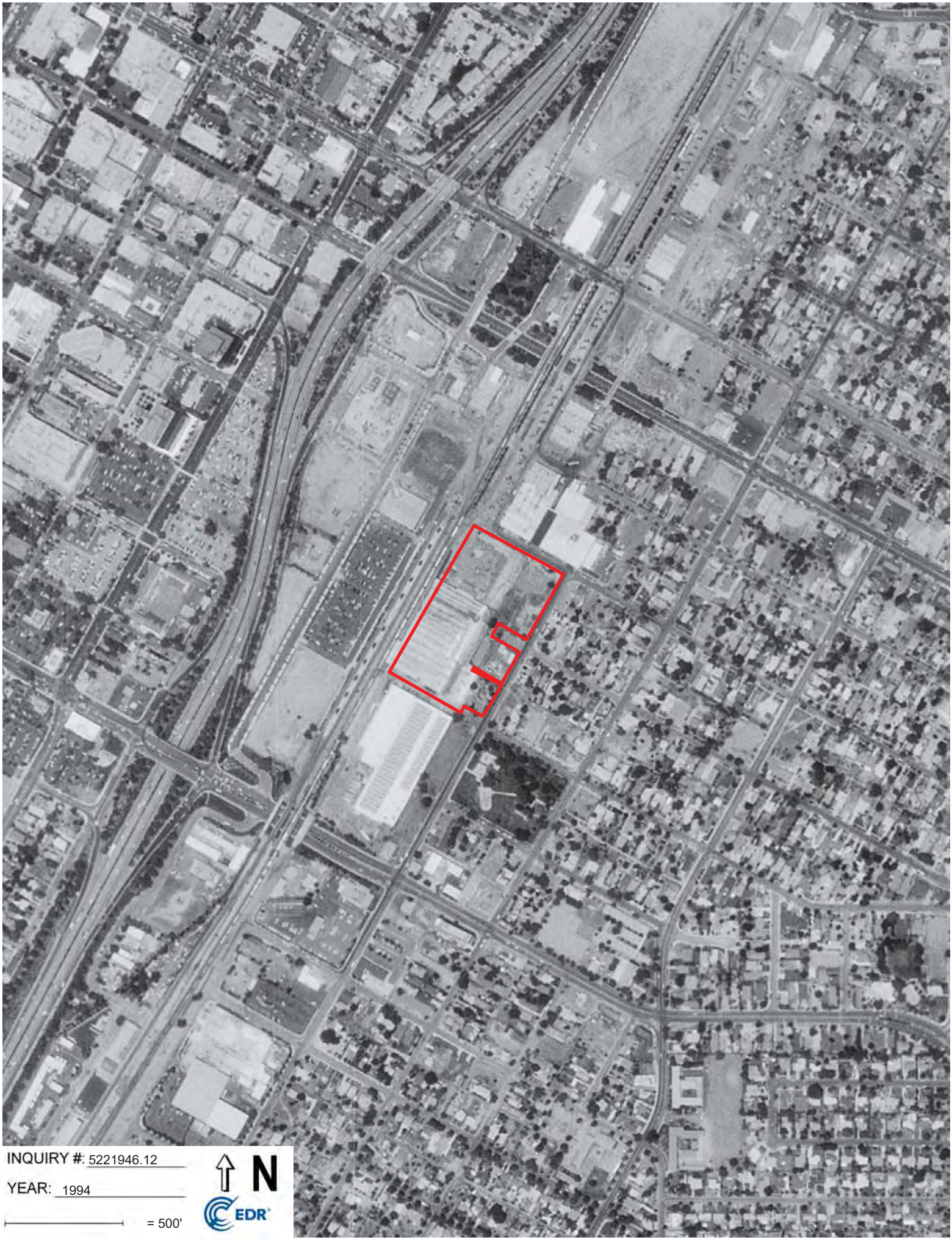
EDR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YEAR: 1994
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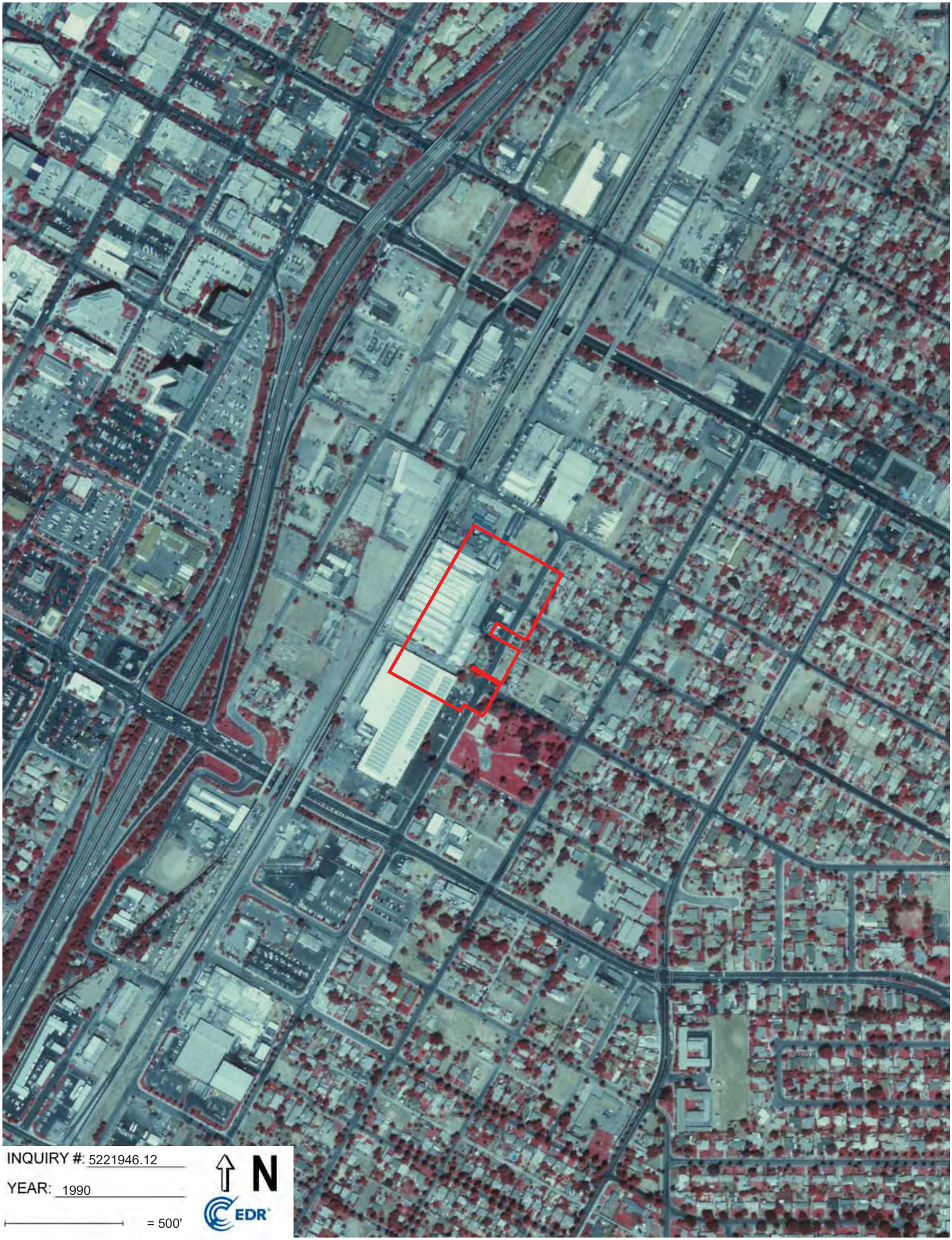
EDR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YEAR: 1990
= 500'
N
EDR

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YEAR: 1989
= 500'
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EDR

INQUIRY #: 5221946.12
YEAR: 1985
= 500'
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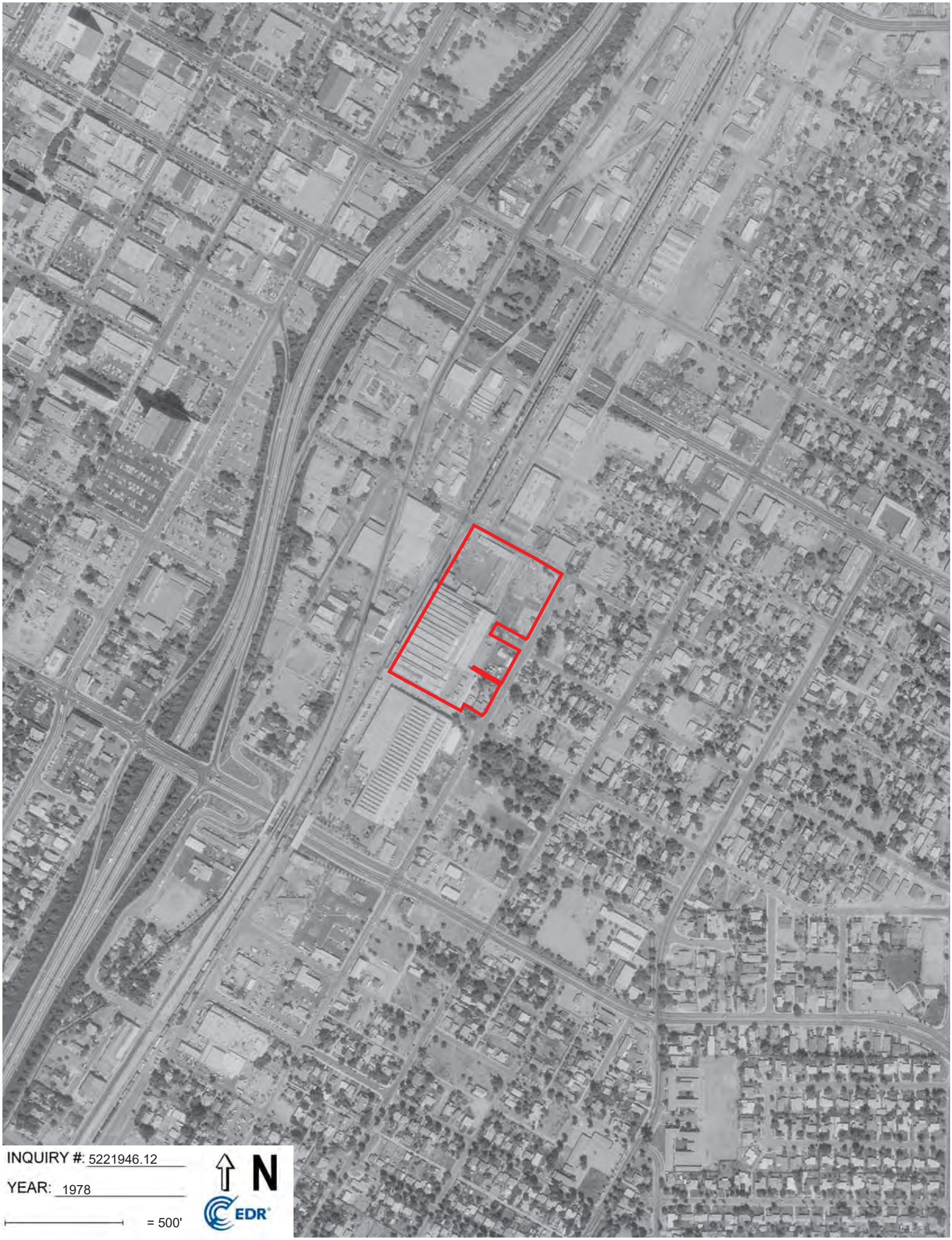
EDR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YEAR: 1978
= 500'
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EDR

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YEAR: 1967
= 500'
N
EDR

INQUIRY #: 5221946.12
YEAR: 1959
= 500'
N
EDR

INQUIRY #: 5221946.12
YEAR: 1953
= 500'
N
EDR

INQUIRY #: 5221946.12
YEAR: 1949
= 500'
N
EDR

INQUIRY #: 5221946.12
YEAR: 1938
= 500'
N
EDR

INQUIRY #: 5221946.12
YEAR: 1931
= 500'
N
EDR

ORIGINAL

APPLICATION FOR

BUILDING

1 Department of Building, City of Riverside, California 1

LOCATION OF JOB

3084 - 10th St

NUMBER STREET

Permit No. 20851 Final Insp. 8/2/56

LEGAL DESCRIPTION — DO NOT FILL IN

Lot No. 19 Map No.

Block Tract

Building used for Storage, Office etc.

No. of Bldgs. Now on Lot	No. of Families	Use of Bldgs. Now on Lot

Size of Lot	Size Bldg.	Sq. Ft.	Fire Dist.

No. of Rooms	Stories	Group	Type	Zone

L.S. Prop. Line Set Back House	Garage	Front Prop. Line Set Back House	Garage	R.S. Prop. Line Set Back House	Garage

Owner Name So Calif Gas Co.

Address 810 S. Flower L.A.

Arch Name

Address

Contractor Name Owner

Address

License No.: City State

Special Permit No.

Footing Size Depth in Ground

Pier Size Depth in Ground

Access Hole Metal Frame Within 5′ of Corner, 24 x 18 inches

6 x 8 Metal Vent Over Range 36 sq. in. Continuous Through Roof

Exterior Walls Min. Clg. Height

Size of Studs Clg. Joist

Joists 1st Floor Rafters

Joists 2nd Floor Material of Roof

Chimney or Fireplace Brick Lined with Terra Cotta or Firebrick

Depth Footing in Ground 2 ft. Size 6" Larger on all sides

Ventilation 2 sq. ft. for each 25 li. ft. First vent within 5 ft. of corner

Date Permit Granted 7-2-54

Total Value $42,500.00 Fee $62.00

Including labor, material, wiring, heating, plumbing, etc.

OVER

For Office Records Only (Do Not Fill In)

Approved:

Exterior	Wire	Con. Blk.
	Scratch	Wood Sdg.
	Brown	Bond Beam
	Finish	
	Final	
Interior Plaster	Lath	Plaster Bd.
	Scratch	
	Brown	
	Finish	
	Final	

DATE OF INSPECTION

Excavation	Frame
Forms	Strong Back
Concrete	Room Ventilation
Foundation Vents	Range Vent
Size of R. W. Sill	Bath Room Vent
Bolts	Garage Vent
Service Hole	Garage Fireproofing
Reinforcing Steel Will 10/27/56	Shower Stall
Roofing Tile	Water Heater Location
Composition	Fireplace
Shingles	Chimney Lining
Signs	Fences
Galv. Iron	Occupancy Cert. No.

Foundation Ventilation 2 square feet for every 25 lineal feet.

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City Ordinances and State Laws regulating Building Construction.

Signature of Owner or Authorized Agent F. J. Stephen

CORRECTIONS

APPLICATION FOR BUILDING PERMIT

City of Riverside
CALIFORNIA

DATE 4-15-31

JOB ADDRESS 3084 10th & Pachappa

LEGAL DESCRIPTION

DESCRIPTION OF WORK:

- [x] NEW BLDG.
- [ ] TERMITE
- [ ] ALTERATION
- [ ] DEMOLISH
- [ ] ROOFING
- [ ] SWIM POOL
- [ ] OTHER

USE OF BUILDING Compressor Bldg

OWNER
NAME So Cal Gas Co
ADDRESS
CITY PHONE

ARCH.
NAME
ADDRESS LIC. NO.
CITY PHONE

ENG'R.
NAME
ADDRESS LIC. NO.
CITY PHONE

CONTRACTOR
NAME Owner
ADDRESS
CITY PHONE
STATE LIC. CITY LIC.

VALUATION OF JOB: $ 5,800

The applicant agrees that if this permit is granted, all City Ordinances and State Laws regulating building construction will be complied with. All workmen on the job will be covered by workmen's compensation insurance in accordance with State Laws.

Signature of Applicant

This application does not include Electric, Heating, Plumbing, or other necessary permits.

Permits expire in 60 days if work is not started.

PLANS CKD BY CORR'NS APPVD BY APPLIC. APPVD BY

NO. BLDGS. NOW ON LOT	USE OF BLDGS. NOW ON LOT		
NO. FAM.	SIZE BLDG. - SQ. FT.		USE ZONE
STORIES	OCCUPANCY	TYPE CONST.	FIRE ZONE
FRONT S.B.	RIGHT S.B.	LEFT S.B.	REAR S.B.

PLAN CHK 01-9-441	$
PERMIT FEE 01-9-222	$
STORM DRAIN 05-9-481	$
AC. FEE 09-9-482	$
	$
TOTAL	$

UTILITIES WILL NOT BE PROVIDED UNTIL AFTER FINAL INSPECTION.

Form No. 302-13R1

B- 13209

PERMIT No. 14195

DATE ISSUED March 27, 1940

AMT.

ADDRESS 3084 Tenth Street

BUILDING PER. NO.

OWNER So. California Gas Co.

PLUMBER C. E. Stansell

DATE OF INSPECTION

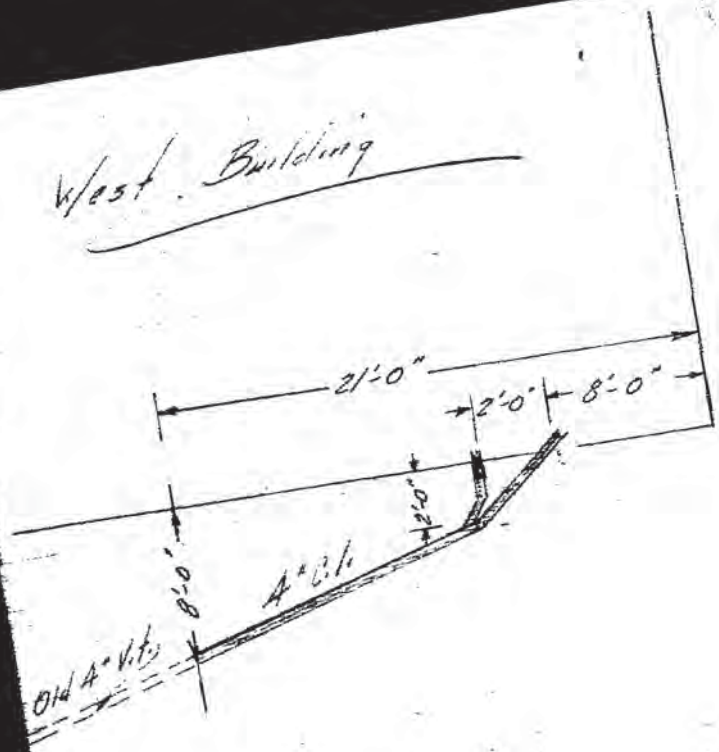
3	TOILETS		WALL HEATERS		CESSPOOL
	BATHS	1	DRINKING FOUNTAIN		SEPTIC TANK
4	LAVATORIES		FLOOR DRAINS		SEWER
1	SINKS	1	URINALS		SEWER TAP
	LAUNDRY TRAYS		GREASE TRAPS		DEVELOPING TRAY
2	SHOWERS		DISH WASHER		AIR CONDITIONING
1	WATER SYSTEMS		STEAM TABLE		SPRINKLER SYSTEM
4	GAS OUTLETS		REFRIGERATOR DRAIN		YARD SPRINKLING
1	WATER HEATERS		DENTAL UNIT		SAND BOX
	FLOOR FURNACES		COLONIC TABLE		MISC.

ROUGH PLUMBING 3/28/40

FINISH PLUMBING 5/6/40 Finished

REMARKS:

West. Building



PERMIT No. 17831 DATE ISSUED Nov. 3, 1936 AMT. 250.00

LOT 3084-10 BLK. TRACT

ADDRESS 10th. at Pachappa Avenue CONTRACTOR owner

OWNER So. Calif. Gas Co. ZONE "A"

TYPE OF BUILDING Wash Rack DATE OF INSPECTIONS

ROUGH PLUMBING

SEWER

FOUNDATION CESS POOL

LATH FINISH PLUMBING

PLASTER (inside) FINAL BLDG. INSP.

STUCCO (exterior) OCCUPANCY CERTIFICATE

ROOF

REINFORCING STEEL

REMARKS: 11/16/36

PERMIT No. 23148 23149 DATE ISSUED May 13, 1941 AMOUNT 1000.00 3000.00 GROUP

LOT BLOCK TRACT

ADDRESS 3084 Tenth Street CONTRACTOR Owner

OWNER So. Cali. Gas Co. "A" FIRE DISTRICT 4

TYPE OF BUILDING Steel Garage &Add. of Ser. StZONE

DATE OF INSPECTION

SET-BACK: FRONT OK 7/9/41 FRAME Steel

SET-BACK: SIDE OK. ROOF CONSTRUCTION Steel

TRENCHES OK. STRONG BACK OK.

FORMS OK. ROOM VENTILATION

FOUNDATION VENTS Bolt. RANGE VENT

ACCESS HOLE ✓ BATH ROOM VENT

BOLTS OK. GARAGE VENT

SERVICE HOLE GARAGE FIREPROOFING

REINFORCING STEEL SHOWER STALL

LATH: (INSIDE)

CORRECTIONS: LATH: (OUTSIDE)

PLASTER: (INSIDE COATS) 1st 2nd 3rd

PLASTER: (OUTSIDE COATS) 1st 2nd

ROOFING: TILE

COMPOSITION

SHINGLE

GALVANIZED IRON 9/5/41

FIREPLACES

CHIMNEY LINING

WATER HEATER LOCATION

FINAL INSPECTION 9/3/41

OCCUPANCY CERT.

ERMIT No. 21525 DATE ISSUED Dec. 1, 1939 AMOUNT 2000.00 GROUP

LOT BLK TRACT

ADDRESS 3084 Tenth Street CONTRACTOR Owner

OWNER So. Calf. Gas Co. ZONE "A"

TYPE OF BUILDING Remodel Compressor Bldg. DATE OF INSPECTION

SET-BACK: Front Side ROOF: Shingle Comp. Tile

FOOTINGS: FORMS: FURNACE: Gas Oil

FRAME: FIREPLACES: CHIMNEYS:

LATH: (Inside) Metal Lath around Shower rooms + toilet rooms STORAGE TANKS: Gasoline Fuel Oil

LATH: (Outside) KITCHEN VENT: BATH ROOM VENTS:

PLASTER: (Inside Coats) 1st 2nd VENTILATION:

PLASTER: (Outside Coats) 1st 2nd 3rd FINAL BLDG. INSP. 5/6/40.

REINFORCING STEEL: OCCUPANCY CERTIFICATE

REMARKS: Not started 1/3/40

ERMIT No. 22101 DATE ISSUED Aug. 5, 1940 AMOUNT $65,000.00 GROUP

LOT Por. Lot 6 BLK TRACT Whites Addition

ADDRESS 3084 East Tenth St. CONTRACTOR Chicago Bridge & Iron Co.

OWNER So. Calif. Gas Co. ZONE A

TYPE OF BUILDING Gas Holder DATE OF INSPECTION

SET-BACK: Front OK Side OK ROOF: Shingle Comp. Tile

FOOTINGS: 8/16/40 FORMS: 8/16/40 FURNACE: Gas Oil

FRAME: FIREPLACES: CHIMNEYS:

LATH: (Inside) STORAGE TANKS: Gasoline Fuel Oil

LATH: (Outside) KITCHEN VENT: BATH ROOM VENTS:

PLASTER: (Inside Coats) 1st 2nd 3rd VENTILATION:

PLASTER: (Outside Coats) 1st 2nd FINAL BLDG. INSP. 11/29/40

REINFORCING STEEL: Concrete poured 8/29/40 OCCUPANCY CERTIFICATE

REMARKS: Steel ball the pickoned one built in U.S.A. 1" steel

PERMIT No. 21526 DATE ISSUED Dec. 1, 1939 AMOUNT 8000.00 GROUP E

LOT BLK TRACT Por. Whits Add.

ADDRESS 3084 Tenth Street CONTRACTOR Owner ?

OWNER So. Calif. Gas Co. ZONE "A"

TYPE OF BUILDING Conc. Office & Storage Bldg. DATE OF INSPECTION

SET-BACK: Front OK Side OK ROOF: Shingle Comp. Yes Tile Oil

FOOTINGS: 1/30/40 FORMS: 1/30/40 FURNACE: Gas CHIMNEYS:

FRAME: Forms. 2/14/40 Concrete Bldg. FIREPLACES: Fuel Oil

LATH: (Inside) " " STORAGE TANKS: Gasoline BATH ROOM VENTS:

LATH: (Outside) KITCHEN VENT:

PLASTER: (Inside Coats) 1st 2nd 3rd 5/6/40 VENTILATION:

PLASTER: (Outside Coats) 1st 1/30/40 2nd 2/14/40 FINAL BLDG. INSP. 5/6/40

REINFORCING STEEL: OCCUPANCY CERTIFICATE

REMARKS: Not started 1/3/40

PERMIT NUMBER

10-3822

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(951) 826-5697

Final

Address: **3084 TENTH ST**
Location:

Insp Area: I

Type: BCOM
Category: AOTH

Status: ISSUED
Submittal: 12/09/2010

Class Code:

Issued: 12/17/2010

Parcel#: 211191026
Census Tr:
Const Type: 27

Zoning:

Occupancy: U

Owner: SOUTHERN CALIFORNIA GAS CO. Phone: 213 244-5517
Applicant: PIVOX CORPORATION - COLE JOHNSON Phone:
949 727-1450
Address: 16 TECHNOLOGY DR, # 152
City/Zip: IRVINE, CA 92618
Contractor: PIVOX CORPORATION Phone: 949 727-1450
Contrctr Lic: A00836736 Business Lic: BL00139740

****

Permit Description:
3' HIGH RETAINING WALL ADJACENT TO PARKING LOT/ INSTALL BOLLARDS APPROX 4' AWAY FROM RETAINING WALLS; STEPS WITH GUARDS & HANDRAILS;

New Service?
Volts - Amps: - 0
UG/OH:

SETBACKS
Front: 0 Back: 0
Left: 0 Right: 0

Occupancy	Type	Factor	Sq Feet	Valuation
Miscellaneous	Retaining Walls	7.00	78	$546.00
	Additional Amount...			954.00
	Totals...		78	$1,500.00*

TOTAL VALUATION: $1,500.00

****

DEPARTMENT NAME	AMOUNT	FEE DESCRIPTION	AMOUNT
Bldg. & Safety	$172.50	MSHCP Fee	$0.00
Fire	$0.00	TUMF	$0.00
Park & Rec	$0.00	Extra Fees (Misc)	$315.34
Public Util Elec	$0.00	Gen. Plan Surcharge	$10.00
Public Util Water	$0.00		
Public Works	$0.00		

TOTAL FEES: $497.84

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(951) 826-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: AZN

271-033
White—Building Div. Card—Job Site

110637

Structural Inspection		
Type	Date	Sign
Foundation, Location	1-7-11	B
Grout Lift	1-11-11	BS
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
BMP/SWPPP		
Clean-up		
Final Approval	1-18-11	

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE _____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A00 Lic. No. 8367360 Date 12/17/10

Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date ___/___/___ Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 1776300-2010

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12/17/10 Applicant:

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant

12/17/10
Date

PERMIT NUMBER

10-2090

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(951) 826-5697

EXP 7-13-11

Address:	3084 TENTH ST		
Location:		Insp Area:	I
Type:	BCOM	Status:	ISSUED
Category:	DEMO	Submittal:	07/13/2010
Class Code:	649	Issued:	07/13/2010
Parcel#:	211191026	Zoning:	
Census Tract:	304		
Const Type:		Occupancy:	
Owner:	MLM PROPERTIES, LLC	Phone:	909 214-0540
Applicant:	AMERICAN WRECKING INC - GLENN BELL JR	Phone:	626 350-8303
Address:	2459 LEE AVE		
City/Zip:	SOUTH EL MONTE , CA		
Contractor:	AMERICAN WRECKING INC	Phone:	626 350-8303
Contractor Lic:	C21685192	Business Lic:	BL00069829

****

Permit Description:
DEMO (2) STEEL CANOPIES - 40' X 200' AND 50' X 200'

Occupancy	Type	Factor	Sq Feet	Valuation
	Additional Amount...			2,000.00
	Totals...			$2,000.00*

TOTAL VALUATION: $2,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	$25.00	General Plan	$6.00
Sewer Cap	$0.00	Microfilm Fee	$0.00
Demo Valuation	$60.00	Permit Imaging Fee	$12.00
Additional Fees	$0.00		

TOTAL FEES: $104.00

****

SEWERS SHALL BE CAPPED WITHIN 5 FEET OF PROPERTY LINE

!!!THIS PERMIT SHALL EXPIRE 60 DAYS AFTER ISSUANCE!!!

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(951) 826-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: AEN

271-033
White—Building Div. Card—Job Site

109738

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
BMP/SWPPP		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE _____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-21 Lic. No. 685192 Date 3/31/12

Contractor Signature Glenn Bell

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date / / Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier National Union Fire Ins. Co. of Pittsburgh

Policy Number WC 342 8556

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☒ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 7-13-10 Applicant: Glenn Bell - American Wrecking Inc.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Glenn Bell — Signature of Applicant

7-13-10 — Date

DEMO OF LARGE ALL STEEL CANOPY (see photos) 10-2090

DEMOLITION PERMIT REQUEST

Property Address	Owner Name, Address, Telephone Number
3084 TENTH ST.	MLM PROPERTIES, LLC c/o LEW CARDEY 3084 TENTH ST. RIVERSIDE, CALIF 92507
Date 6-17-10	
Photo Submitted? Yes	Applicant Name, Address, Telephone Number
Type of Structure ALL STEEL	SAME AS OWNER
Square Footage 17,000 - 20,000 Sq ft	

This section to be completed by the Community Development Department, Planning Division:

COMMENTS:

REQUIRED ACTION:

(See Aerial)

Previous Designation & Evaluation determined not significant.

HISTORIC PRESERVATION REVIEW: [signature] DATE: 6/17/2010

PLANNING APPROVAL: [signature] DATE: 6/17/10

Revised: 01/7/2008

CITY OF RIVERSIDE

COMMUNITY DEVELOPMENT DEPARTMENT
PLANNING DIVISION
3900 MAIN STREET – THIRD FLOOR, RIVERSIDE, CA 92522
PHONE: (951) 826-5371 / FAX: (951) 826-5981
www.riversideca.gov/planning

DEMOLITION PERMIT REQUEST PROCEDURE

Prior to the issuance of a demolition permit, the form below must be filled out completely and submitted to the Planning Division of the Community Development Department. The request will be reviewed for compliance with the California Environmental Quality Act (CEQA). This CEQA review will include a determination of whether any historical, cultural, or archaeological resources may be impacted adversely by the proposed demolition. If any significant environmental or cultural resources will be impacted, the demolition request will require further environmental review by staff, and if necessary, be reviewed by the Cultural Heritage Board.

In order to expedite review of your request, please submit a current *photograph of the structure* to be demolished with this form. Staff will determine if further review is necessary, usually within two (2) working days after submittal, and will notify you as soon as your request has been reviewed.

The demolition of structures within the City of Riverside may result in the exposure of potentially hazardous materials, such as: asbestos-containing materials, lead-based paints, and mercury- or PCB-containing materials. It is the applicant's responsibility that such materials be removed properly and disposed of at appropriate locations in accordance with all applicable laws and regulations, including but not limited to the Environmental Protection Agency's Universal Waste Rule and the State of California Code of Regulations.

This demolition request is reviewed by Planning Division staff independently from any other related requirements or procedures, such as obtaining SCAQMD clearance for asbestos removal. **THE BUILDING DIVISION WILL NOT ISSUE A PERMIT UNTIL THE REQUEST IS APPROVED BY THE PLANNING DIVISION.**

Additional information can be obtained by calling the Planner on Duty (Planning Division Front Counter) at (951) 826-5371.

Revised: 01/7/2008

City of Riverside

Building & Safety Division
Phone: (951) 826-5697
www.riversideca.gov

❖ DEMOLITION DISCLOSURE FORM ❖

PROJECT ADDRESS 3084 10th Street

Effective January 1, 1991 Assembly Bill 2791 required applicants for demolition permits to comply with certain Environmental Protection Agency (EPA) and South coast Air Quality Management District (SCAQMD) regulations concerning asbestos containing materials. **(This also includes re-roof tear off's when asbestos containing materials are involved).**

The following questions must be answered before your application for a demolition permit can be processed.

1. **Have you complied with the requirements of the South Coast Air Quality Management District under Rule 1403?** This rule requires that you notify the SCAQMD 10 days before you begin the demolition project.

   ☒ **YES** ☐ **NO**

   SCAQMD
   Asbestos Notifications
   File #55641
   Los Angeles, CA 90074-5641
   909/396-2336

2. **Is the structure asbestos free?** (If you are uncertain, you should contact an asbestos consultant to investigate the structure before answering this question).

   ☒ **YES** ☐ **NO**

Glenn Bell
Signature

7-13-10
Date

Glenn Bell
Print Name

PLEASE CHECK ONE:

( ) OWNER

(X) CONTRACTOR

( ) ARCHITECT

( ) AUTHORIZED AGENT W/LETTER ON FILE

PERMIT NUMBER

10-3265

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(951) 826-5697

FINAL

Address: **3084 TENTH ST**
Location: Insp Area: I

Type: BCOM Status: ISSUED
Category: COMB Submittal: 10/25/2010

Class Code: Issued: 10/25/2010

Parcel#: 211191026 Zoning:
Census Tr:
Const Type: Occupancy:

Owner: RIVERSIDE COUNTY TRANSPORTATION COMMISSION Phone: 714 904-7307
Applicant: UTAH PACIFIC CONSTRUCTION CO - JASON BENT Phone: 951/ 677-9876
Address: 40940 ELEANORA WY
City/Zip: MURRIETA, CA 92562
Contractor: UTAH PACIFIC CONSTRUCTION CO Phone: 951/ 677-9876
Contrctr Lic: A00570195 Business Lic: BL00124935

****

Permit Description:
SEWER REPAIR

New Service?
Volts - Amps: - 0
UG/OH:

SETBACKS
Front: 0 Back: 0
Left: 0 Right: 0

Occupancy	Type	Factor	Sq Feet	Valuation
	Additional Amount...			2,000.00
	Totals...			$2,000.00*

TOTAL VALUATION: $2,000.00

****

DEPARTMENT NAME	AMOUNT	FEE DESCRIPTION	AMOUNT
Bldg. & Safety	$44.00	MSHCP Fee	$0.00
Fire	$0.00	TUMF	$0.00
Park & Rec	$0.00	Extra Fees (Misc)	$0.00
Public Util Elec	$0.00	Gen. Plan Surcharge	$0.50
Public Util Water	$0.00		
Public Works	$0.00		

TOTAL FEES: $39.50

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OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(951) 826-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: DLD

271-033
White—Building Div. Card—Job Site

110529

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
BMP/SWPPP		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval	11-1-10	

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A Lic. No 570195 Date 10/25/10

Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

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☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date / / Owner Signature

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Zurich American Ins.

Policy Number WC5968503

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 10/25/10 Applicant:

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name

Lenders' Address

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant

10/25/10
Date

PERMIT NUMBER

10-2202

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(951) 826-5697

FINAL

Address:	3084 TENTH ST		
Location:	3084 TENTH STREET	Insp Area:	I
Type:	BCOM	Status:	ISSUED
Category:	DEMO	Submittal:	07/22/2010
Class Code:	649	Issued:	07/22/2010
Parcel#:	211191026	Zoning:	
Census Tract:	5014		
Const Type:		Occupancy:	
Owner:	MLM PROPERTIES, LLC	Phone:	951-313-0844
Applicant:	PIVOX CORPORATION - SEAN SHAHIN	Phone:	949-727-1450 EXT 120
Address:	16 TECHNOLOGY DR SUITE 152		
City/Zip:	IRVINE, CA		
Contractor:	PIVOX CORPORATION	Phone:	949-727-1450
Contractor Lic:	A00836736	Business Lic:	BL00139740

****

Permit Description:
DEMO REMOVE EXISTING STORAGE SHED (150 X 20)

Occupancy	Type	Factor	Sq Feet	Valuation
	Additional Amount...			8,000.00
	Totals...			$8,000.00*

TOTAL VALUATION: $8,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	$25.00	General Plan	$12.40
Sewer Cap	$10.00	Microfilm Fee	$0.00
Demo Valuation	$114.00	Permit Imaging Fee	$4.00
Additional Fees	$0.00		

TOTAL FEES: $166.40

****

SEWERS SHALL BE CAPPED WITHIN 5 FEET OF PROPERTY LINE

!!!THIS PERMIT SHALL EXPIRE 60 DAYS AFTER ISSUANCE!!!

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(951) 826-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: DS / DLS

271-033
White—Building Div. Card—Job Site

108229

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval 12-14-10		(R)

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health an Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business an Professions Code, and my license is in full force and effect.

License Class A00 Lic. No. 836736 Date 7 22 10

Contractor Signature X

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business an Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, pric to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to th provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business an Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is no intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to a owner of property who builds or improves thereon, and who does such work himself or herself or through his or her ow employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sol within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for th purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improve thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date ___/___/___ Owner Signature ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 370 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the perfo mance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier CALIFORNIA STATE WORK COMP

Policy Number 1776800

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner s as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the work ers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 7-22-10 Applicant: X

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYE TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COS OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEE

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for whic this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lenders' Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and cour ty ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upo the above-mentioned property for inspection purposes.

X ____ 7-22-10

Signature of Applicant Date

PERMIT NUMBER

98-0262

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

BEP 6-26-98

Address: 3010 ELEVENTH ST
Location:

Insp Area: I

Type: ELEC
Category: NRES
Class Code:

Status: APPROVED
Submittal: 01/26/1998
Issued: 01/26/1998

Parcel #: 211-201-030
Cens Tr:
Use Code:

Zoning: MP

Occupancy Group: B

Owner: POMA DISTRIBUTING CO INC
Applicant: THE PARK CORPORATION
Address: PARK ENVIRONMENTAL INC
5100 E HUNTER AVE
Contractor: THE PARK CORPORATION
Bus Lic: 061013

Phone:
Phone: 714 777-1001

Phone: 714 777-1001
License: A00605350

****

Permit Description:
VAPOR REDEMPTION SYSTEM

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS

Front:	.0	Back:	.0
Left:	.0	Right:	.0

VALUATION: 20,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	7.70
Plan Check	65.00	Acreage fee	
Building		Storm Drain	
Microfilm	2.00	Park Fee	
Plumbing		Regional Park	
Mechanical		Other Dept. Fees	
Electrical	12.00	Extra Fees (Misc)	.00
SMIP		TOTAL FEES	111.70

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: _____

271-033
White—Building Div. Pink—Business Tax Card—Job Site

35255

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring	6-26-98	
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☑ ELEC ☐ UNDERGROUND ☑ OVERHEAD ☐ 3 WIRE ☑ 4 WIRE 200 AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A00 Lic. No. 605350 Date 1/26/98

Contractor Signature X L C Whitlock 1-26-98

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date ___/___/___ Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Golden Eagle

Policy Number DWC47904500

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 1/26/98 Applicant: X L C Whitlock 1-26-98

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X L C Whitlock 1-26-98 — Signature of Applicant

1/26/98 — Date

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3010 11TH ST

CORRECTION NOTICE

Permit No.

PROVIDE PLANS AND
INSPECTION CARD
FOR ALL INSPECTIONS

ACCESS IS ALSO
NEEDED

Inspector: ADAMS Date: 6-12-99

Phone:

Form No. 271.015 Office Copy

3010 11th Street

Glen W. Compbell

Passed by Council	April 27, 1948
Completion date	July 27, 1948
Dept. of completion notice	Aug. 10, 1948
Bond released by Council	July 27, 1948
Cards sent to Prop. Owners	April 16, 1948
Moved on Lot	July 29, 1948
Foundation inspected	Aug. 10 1948.

PERMIT NUMBER

98-4611

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Address: 3010 ELEVENTH ST
Location:

Insp Area: I

Type: PLUMB
Category: NRES
Class Code:

Status: APPROVED
Submittal: 12/14/1998
Issued: 12/14/1998

Parcel #: 211-201-030
Cens Tr:
Use Code:

Zoning:

Occupancy Group: M

Owner: POMA DISTRIBUTING CO INC
Applicant: THE PARK CORPORATION
Address: PARK ENVIRONMENTAL INC
2130 ORANGEWOOD AV
Contractor: THE PARK CORPORATION
Bus Lic: 061013

Phone:
Phone: 714 777-1001

Phone: 714 777-1001
License: A00605350

****

Permit Description:
GAS LINE FOR EMMISIION BURNER
CHECK #1787

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS

Front:	.0	Back:	.0
Left:	.0	Right:	.0

VALUATION: 1,500.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	3.80
Plan Check	35.00	Acreage fee	
Building		Storm Drain	
Microfilm	4.00	Park Fee	
Plumbing	3.00	Regional Park	
Mechanical		Other Dept. Fees	
Electrical		Extra Fees (Misc)	.00
SMIP			
		TOTAL FEES	70.80

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY

IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY:

271-033
White—Building Div. Pink—Business Tax Card—Job Site

39790

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test	12-16-98	
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval	12-16-98	

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☒ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class A01 Lic. No 605350 Date 12/14/98

Contractor Signature X L C Whitlock

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code. Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

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☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date ___/___/___ Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Golden Eagle 7-1-99

Policy Number NVG 47 904501

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12-14-98 Applicant: X L C Whitlock

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

L C Whitlock — Signature of Applicant

12-14-98 — Date

PERMIT NUMBER

97-3908

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Expires 1-19-98

Address: 3010 ELEVENTH ST

Insp Area: 1

Status: APPROVED
Applied: 11/19/1997
Issued: 11/19/1997

Type: DEMO
Category: NRES

Location:
Parcel #: 211-201-030
Cens Tr:
Use Code:

Zoning:

Occupancy Group:

Owner: POMA DISTRIBUTING CO INC
Applicant: DANA NICOLEE
Contractor:
Bus Lic: MICHAEL POMA - CONTACT

Phone: 909 877-2441
909 877-2441

License:

****

Permit Description:
DEMOLISH OFFICE/CARPORT/GARAGE
CHECK #1479

Valuation: 500.00
Total Permit Fee: 52.50

SEWERS SHALL BE CAPPED WITHIN 5 FEET OF PROPERTY LINE

!!!! THIS PERMIT SHALL EXPIRE 60 DAYS AFTER ISSUANCE!!!!

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF, OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: _____

271-033
White—Building Div. Pink—Business Tax Card—Job Site

34544

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: _____

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____ Date ___/___/___

Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 11/19/97 Owner Signature Nicolas Dana

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11/19/97 Applicant: Nicolas Dana

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Nicolas Dana
Signature of Applicant

11/19/97
Date

CITY OF RIVERSIDE

BUILDING & SAFETY DIVISION

★ DEMOLITION DISCLOSURE FORM ★
(ASBESTOS)

PROJECT ADDRESS 3010 11th Street, Riverside, CA 92507

Effective January 1, 1991 Assembly Bill 2791 required applicants for demolition permits to comply with certain Environmental Protection Agency (EPA) and South coast Air Quality Management District (SCAQMD) regulations concerning asbestos containing materials. **(This also includes re-roof tear off's when asbestos containing materials are involved).**

The following questions must be answered before your application for a demolition permit can be processed.

1. **Have you complied with the requirements of the South Coast Air Quality Management District under Rule 1403?** This rule requires that you notify the SCAQMD 10 days before you begin the demolition project. (See attached Notification Form).

☒ **YES** ☐ **NO**

SCAQMD
Rule 1403 Notifications
P.O. Box 4950
Diamond Bar, CA 91765-0950
909/396-2336

2. **Is the structure asbestos free?** (If you are uncertain, you should contact an asbestos consultant to investigate the structure before answering this question).

☒ **YES** ☐ **NO**

Signature **Date** 11-10-97

Michael Poma
Print Name

PLEASE CHECK ONE BOX:

☒ OWNER

☐ CONTRACTOR

☐ ARCHITECT

☐ AUTHORIZED AGENT W/LETTER ON FILE

DOC: DEMO.DIS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

AQMD

21865 E. Copley Drive, Diamond Bar, CA 91765-4182 (909) 396-2000 http://www.aqmd.gov

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK	ENTERED BY	NOTIFICATION #

COMPLETED BY Nicolee Dana COMPANY Poma Distributing Co., Inc PHONE (909) 877-2441

DATE 11-04-97 CHECK# 004130 FEE $26.20 PROJECT #

NOTIFICATION TYPE: (ORIGINAL) REVISION DATES REVISION OTHER (highlight) CANCELLATION

PROJECT TYPE: (DEMOLITION) ORDERED DEMOLITION RENOVATION (removal) EMERGENCY REMOVAL PLANNED RENO (annual)

SITE INFORMATION: SITE NAME 11th Street - Poma Distributing Company, Inc.

SITE ADDRESS 3010 11th Street CROSS STREET Howard

CITY Riverside STATE CA ZIP 92507 COUNTY Riverside

DESCRIBE WORK LOCATION Entire office, carport & garage demolition by fire

BUILDING SIZE (SQ FT) approx.1,500sq ft NUMBER OF FLOORS 1 BUILDING AGE (YEARS) 60+ NUMBER OF DWELLING UNITS -0-

BLDG PRIOR / PRESENT USE: COMMERCIAL HOSPITAL INDUSTRIAL Other (OFFICE) PUBLIC BLDG. RESIDENCE SCHOOL SHIP UNIV/COLLEGE

SITE OWNER Poma Distributing Co., Inc. ADDRESS P.O. Box 5728

CITY San Bernardino STATE CA ZIP 92412 CONTACT Nicolee Dana PHONE (909) 877-2441

REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? YES (NO)	ASBESTOS SURVEY? (YES) NO	ASBESTOS REMOVED? YES NO	BUILDING TO BE DEMOLISHED? (YES) NO

PROJECT DATES: START 11/97 END 12/31/97 WORK SHIFT (am/pm) 7 - 4

ASBESTOS AMOUNT TO BE REMOVED (in square feet)	FRIABLE	CLASS I	CLASS II	TOTAL REMOVED(add row)

ASBESTOS REMOVED FROM	SURFACES	PIPES	COMPONENTS

DESCRIBE TYPE & AMOUNT OF ASBESTOS	ACOUSTIC CEILING	LINOLEUM	INSULATION	FIRE PROOFING	DUCTING	STUCCO	MASTIC

FLOOR TILES (VAT)	DRY WALL	PLASTER	TRANSITE	ROOFING	OTHER (describe)

CONTRACTOR INFORMATION: CSLB LICENSE # OSHA REG # AQMD ID #

NAME West-Tech Contracting ADDRESS 5670 El Camino Real, Suite B

CITY Carlsbad STATE CA ZIP 92008 SITE SUPVR Rick Engebretsen PHONE (760)431-8303

WASTE TRANSPORTER #1	LANDFILL
ADDRESS	ADDRESS
CITY STATE ZIP	CITY STATE ZIP

WASTE TRANSPORTER #2			WASTE STORAGE SITE		
ADDRESS			ADDRESS		
CITY	STATE	ZIP	CITY	STATE	ZIP

CONTROLS: DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE DEMOLITION AND RENOVATION SITE. FOR ASBESTOS REMOVAL WORK, **INDICATE RULE 1403 PROCEDURE** # 1, 2, 3, 4 OR 5 OR COMBINATIONS OF PROCEDURES USED. FOR PROCEDURES 4 AND 5, SUBMIT PLANS FOR AQMD PRIOR APPROVAL. **PROCEDURE #:** The Riverside Fire Department will be using the building for a controlled training burn and will be on hand throughout demolition for any emergency that should arise - West-Tech will be hauling away any rubble that remains

ASBESTOS DETECTION PROCEDURE: DESCRIBE THE METHODS AND PROCEDURES USED TO DETERMINE WHETHER ASBESTOS IS PRESENT AT THE SITE, INCLUDING THE ANALYTICAL METHODS (survey, bulk sampling, inspection, assumed ACWM, etc.): Survey performed by Scott Morrison & Associates on 10-27-97 with no reportable amounts of asbestos detected.

FOR **DEMOLITIONS** GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL: N/A

FOR **ORDERED DEMOLITION** SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME: N/A
AUTHORIZING PERSON: TITLE
DATE OF ORDER: DATE ORDERED TO BEGIN:

FOR **EMERGENCY ASBESTOS REMOVAL** GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT:

N/A

EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:

CONTINGENCY PLAN: DESCRIBE ACTIONS AND PROCEDURES TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR NONFRIABLE ASBESTOS MATERIAL BECOME CRUMBLED, PULVERIZED, OR REDUCED TO POWDER. The Riv. Fire Department will be on site to handle any unexpected asbestos or emergencies.

TRAINING CERTIFICATION: I Certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

PRINT NAME OF OWNER/OPERATOR SIGNATURE OF OWNER/OPERATOR DATE

INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments.

PRINT NAME OF OWNER/OPERATOR Michael Poma SIGNATURE OF OWNER/OPERATOR DATE 11-04-97

Notifications are not accepted without the required asbestos fee (AQMD Rule 301). Removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the asbestos amount to be removed. Fees are as follows:

FROM 100 TO 1,000 SQUARE FEET	$ 10.40	DEMOLITIONS	$ 26.20
FROM 1,001 TO 5,000 SQUARE FEET	$ 78.60	REVISIONS	$ 10.40
FROM 5,001 TO 10,000 SQUARE FEET	$183.50	CANCELLATIONS	$ 00.00
MORE THAN 10,000 SQUARE FEET	$288.30	PROCEDURE 4 OR 5 PLANS	$288.30
		RETURNED CHECK CHARGE	$25.00

ATTENTION: STATE LAW REQUIRES THAT YOU GIVE A COPY OF DEMOLITION NOTIFICATIONS TO YOUR LOCAL BUILDING AND SAFETY DEPARTMENT. PLEASE KEEP A COPY. STATE LAW DOES NOT REQUIRE PROOF THAT THE NOTIFICATION HAS BEEN RECEIVED BY AQMD. FOR YOUR CONVENIENCE MAIL ALL NOTIFICATIONS AND DO NOT HAND CARRY THEM SINCE AQMD HAS NO STAFF TO RECEIVE THEM. CONTRACTORS ARE REQUIRED TO FILL AND MAIL THE NOTIFICATION. FOR QUESTIONS CALL 909-396-2336.

***MAIL** ORIGINAL TO: SCAQMD, RULE 1403 ASBESTOS NOTIFICATIONS, P.O. BOX 4950, DIAMOND BAR, CA 91765-0950
TELEPHONE: (909) 396-2336 FAX: (909) 396-3342

DEMOLITION PERMIT REQUEST

#97-3908

Owner Name, Address & Phone Number:
Poma Distributing Company, Inc.
571 W. Slover Ave.
Bloomington, CA 92316
(909) 877-2441

Property Address:
510 11th Street
Riverside, CA 92507

Date: 11-10-97

Photo Submitted? Yes

Type of Structure:
Office/Carport/Garage

Square footage:
Approx. 1,500 Sq. Feet

Applicant Name, Address & Phone Number:
Nicolee Dana
Poma Distributing Company, Inc.
571 W. Slover Ave.
Bloomington, CA 92316
(909) 877-2441

This section to be completed by the Planning Department.

COMMENTS:
Moved to site in 1948 – House moving permit no. 211.
Not a part of Landmark Designation of Former FMC Building.

REQUIRED ACTION:

Historic Preservation Review: OK AMH **DATE:** 17 Nov 97

Planning Approval: Jeffrey A. Bu **DATE:** 11/17/97

\HANDOUTS\ADVANCE\DEMO.HO
rev. 12/23/96
1270-003

Office Copy

TRIPLICATE

APPLICATION FOR

OFFICE CITY HALL
Phone 723

HOUSE MOVING PERMIT

No. 211

DEPARTMENT OF BUILDING
CITY OF RIVERSIDE

To move any building or structure over, upon, along or across any public street, alley or other public place in the City of Riverside.

From 3080-13th St. Proposed Route to 3010-11th St.
Start at 3080-13th St then west on 13th to Pacheco Ave then South on Pacheco to 14th St then East on 14th or to Park Ave then north on park to 11th St then west on 11th St to 3010-11th St. then onto lot.

Owner Glenn W. Campbell 4350-Pacheco Ave
Name Address

Moving Contractor W. F. Cruickshank Jucaipa Calif.
Name Address

State of California License No. 71229 City of Riverside License No. 17800

Bonding Company Royal Indemnity Co. L. A.
Name Address

Sub-Contractor
Name Address

Legal Description — Do not fill in:

Lot No. Block Tract

(2 Sections)

Use	Size of Lot	Stories	Height Loaded on Dollies	Width of Bldg.	Length of Bldg.
Office & All Storage	100 X 150	1	22'	1 - 48 x 36 1 - 32 x 36	1 - 48 1 - 36

Class A Dep. $13, Fee $2	Class B Dep. $17, Fee $3	Class C Dep. $25.00, Fee $5.00	Class D Dep. $40.00, Fee $10.00	Class E Dep. $125.00, Fee $25.00

Left Side Set Back from Property Line House	Garage	Front Set Back from Property Line House	Garage	Right Side Set Back from Property Line House	Garage	Zone	Fire District	1	2	3

PUBLIC UTILITIES, are hereby notified to rearrange any of their properties necessary to permit the passage of such building or structure upon, over, along or across the public street wherein it is proposed to move the same and such public utility shall be entitled to charge each house-mover as compensation for making such temporary rearrangement of said properties the actual cost of rearranging and restoring any such properties so ordered by the Building Inspector, plus a sum of 15 per cent of such actual cost as an allowance for supervision.

Date of plans and Application received Apr 12/48

Estimate of reconstruction 1000.00

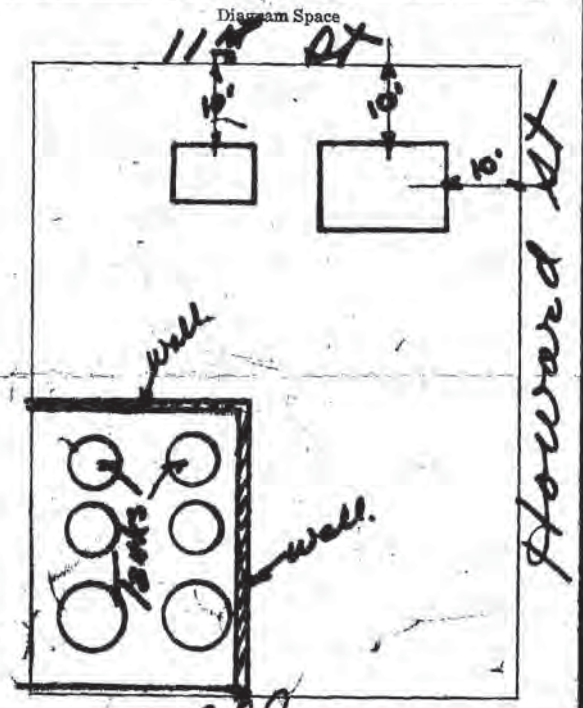
Date of Completion 90 days.

Report of Department of Building Ok to move

If not rejected by the Council this house can be moved on the following date April 28/48

Railroads crossed none.

Diagram Space



Owner agrees to complete the repairs and reconstruction in accordance with the plans submitted and within time specified.

Signed by Owner Glenn W. Campbell 4350 Pacheco
Name Address

Signed by House Mover W. F. Cruickshank 3695 Market St
Name Address

ORIGINAL

APPLICATION FOR
2 BUILDING ALTERATIONS 2

Department of Building, City of Riverside, California
LOCATION OF JOB

3010-11th st.
NUMBER STREET

Permit No. 8100 Final Insp. 8-10-48

LEGAL DESCRIPTION —(DO NOT FILL IN)

Lot No. ..... Map No. .....

Block ..... Tract .....

Building used for business.

Size of Lot	Discribe Alterations	Zone	Fire Dist.
	New foundation for building moved in.	A1	1

Group	Type	Rooms	Sq. Ft.

L. S. Prop. Line Set Back		Front Prop. Line Set Back		R. S. Prop. Line Set Back	
House	Garage	House	Garage	House	Garage

Owner
Name Glen W Campbell
Address 3010 11th Street

Arch
Name .....
Address .....

Contractor
Name .....
Address .....
License No.: City ..... State .....

Special Permit No. .....

Footing Size ..... Depth in Ground .....
Pier Size ..... Depth in Ground .....
Access Hole Metal Frame Within 5 of Corner, 24 x 18 inches
7 x 7 Metal Vent Over Range Continuous Through Roof
Exterior Walls
Size of Studs
Joists 1st Floor
Joists 2nd Floor
Rafters
Material of Roof
Chimney or Fireplace
Flue Lining
Depth Footing in Ground

Concrete foundations

Ventilation 2 sq. ft. for each 25 lf. ft. First vent within 5 ft. of corner

Date Permit Granted 8-26-48

Total Value $15.00 Fee $6.00
Including labor, material, wiring, heating, plumbing, etc.

OVER

For Office Records Only (Do Not Fill In)

Approved:	Exterior	Wire
		Scratch
		Brown
		Finish
		Final
	Interior Plaster	Lath
		Scratch
		Brown
		Finish
		Final 8-10-48

DATE OF INSPECTION

Excavation	OK 8/1/48	Frame	OK.
Forms	OK 8/1/48	Strong Back	
Concrete	OK 8/1/48	Room Ventilation	
Foundation Vents		Range Vent	
Size of R. W. Sill		Bath Room Vent	
Bolts		Garage Vent	
Service Hole		Garage Fireproofing	
Reinforcing Steel		Shower Stall	
Roofing Tile		Water Heater Location	
Composition		Fireplace	
Shingles		Chimney Lining	
Signs		Fences	
Galv. Iron		Occupancy Cert. $	

Foundation Ventilation, 2 sq. ft. for every 25 lineal feet.

Corrections

CITY OF RIVERSIDE PLANNING DEPARTMENT

HAZARDOUS MATERIALS DISCLOSURE STATEMENT

PROJECT ADDRESS: 3010 11th St. PLAN CHECK #: 98-0262

BUSINESS NAME/USE: Poma Distributing Co.

( ) YES (X) NO Do you manufacture, store, or use hazardous materials at this facility?

( ) YES (X) NO Will the applicant or future occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amounts specified on the list of acutely hazardous materials? (See APPENDIX D, LIST OF ACUTELY HAZARDOUS MATERIALS)

( ) YES (X) NO Do you generate, store, treat or use hazardous waste at this facility?

( ) YES (X) NO Will the applicant or future occupant be installing an underground storage tank at this facility?

( ) YES (X) NO Will the applicant or future occupant be installing an aboveground storage tank greater than 660 gallons or with a cumulative storage capacity of greater than 1320 gallons?

( ) YES (X) NO Will your facility or the proposed building or modified facility be within 1000 feet of the outer boundary of a school, hospital, or long-term health care facility?

( ) YES (X) NO Will the intended use of the building by the applicant or future building occupant require a permit for construction or modification from the South Coast Air Quality Management District? (See APPENDIX A, PERMITTING CHECKLIST, for guidelines)

I have read the Hazardous Materials Disclosure Requirements and the SCAQMD Permitting Checklist. I understand the requirements under California Health and Safety Code Section 25505,25533,25534,42303, and the requirements of the City of Riverside Fire Department regarding hazardous materials.

L Wheelock
SIGNATURE

Larry Wheelock
PRINT NAME

5100 E Hunter Ave
MAILING ADDRESS

Anaheim Ca 92805
CITY STATE ZIP

1-26-98 (714) 777-1001
DATE PHONE #

( ) OWNER
( ) TENANT
( ) ARCHITECT
( ) ENGINEER
(X) AUTHORIZED AGENT W/letter on file

\handouts\planck\hazmat.wp6
2/7/96

ORIGINAL

LOCATION OF JOB

OFFICE PHONE 723 — APPLICATION FOR — BASEMENT CITY HALL

5 PLUMBING 5

Department of Building, City of Riverside, California

3010 — 11th

NUMBER STREET

Permit No. 7103 Final Insp.

Building used for

No. of Rooms	Stories	Group	Type	Zone

Owner
Name Campbell Oil Co.
Address

Plumbing Contractor
Name Lee Bush
Address 4229 Main St.
License No.: City 115 State Cal.

Plumbing Contractor's Certificate No.

1 Toilets	Gas Furnaces
Baths	Oil Furnaces & Boilers
Lavoratories	Gas Vents
1 Sinks	Urinals
Laundry Trays	Refrigerator Drains
Showers	Dental Units
Water Heater with Plumb.	Developing Trays
Water H. without Plumb.	Colonic Table
Water Systems	Fire Sprinkling System
Gas Outlets	1 Wash Rack
Floor Furnaces	Water Softeners
Wall Heaters	Air Conditioning
Shower Pan	Yd. Sprk. Check & Syphon
Bendix Washer	Cesspool (Breaker)
Grease Traps	Septic Tank
Dish Washers	2 Sewer on Property
Drinking Fountains	Sewer in Street
Floor Drains	Sewer Tap

Sewer Permit No. Book Page Lot

Total No. Fixtures Fee 3 50

Permit Granted 6-17-48
Date

5M-10-47 - LLS

(Do not fill in)

FOR OFFICE RECORDS ONLY

Approved

Ground Work.....

Rough Plumbing 6/17/48

Final 6/17/48

Gas Piping.....

Furnaces and Wall Heaters.....

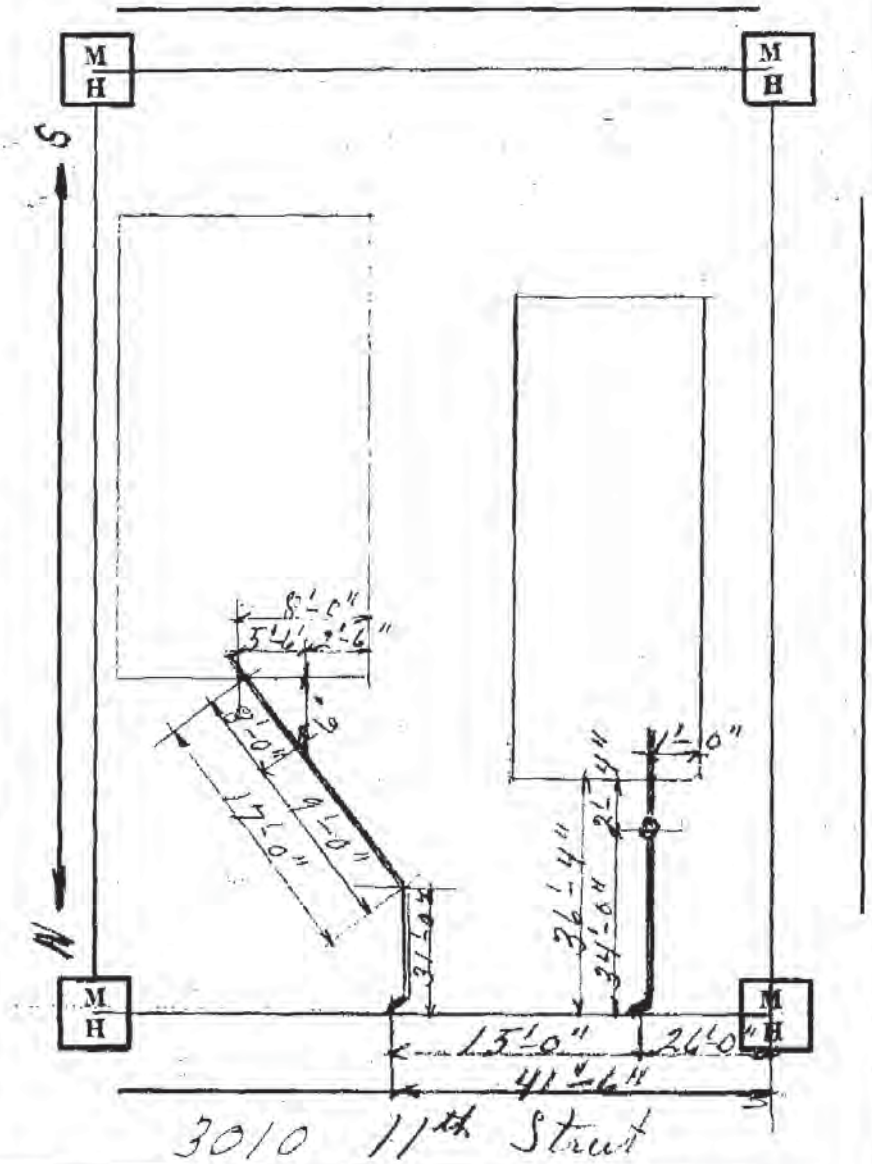
Water Heater.....

Septic Tank.....

Sewer 6/17/48 Depth.....

Cesspool..... Depth..... Sand.....

LOCATION OF SEWER, CESSPOOL OR SEPTIC TANK



3010 11th Street

PERMIT No. 21136 DATE ISSUED August 16, 1939 AMOUNT 3100.00 GROUP

LOT 1 & 2 BLK. 15 TRACT Santa Fe Tract

ADDRESS ~~3080 Thirteenth St.~~ 3010 - 11TH CONTRACTOR C. T. & W. P. Stover

OWNER Texas Co. ZONE

TYPE OF BUILDING Bulk Station DATE OF INSPECTION

SET-BACK: Front OK Side OK FORMS: 8/24/39 ROOF: Shingle Comp. Tile Built.

FOOTINGS: 8/22/39 FURNACE: Gas Oil

FRAME: 10/2/39 FIREPLACES: CHIMNEYS:

LATH: (Inside) Stone STORAGE TANKS: Gasoline Fuel Oil

LATH: (Outside) from KITCHEN VENT: BATH ROOM VENTS:

PLASTER: (Inside Coats) 1st 2nd 3rd VENTILATION: 10/18/39

PLASTER: (Outside Coats) 1st 2nd FINAL BLDG. INSP. 10/18/39 11/2/39

REINFORCING STEEL: OCCUPANCY CERTIFICATE

REMARKS:

CITY OF RIVERSIDE

AUTHORIZED AGENT LETTER

Property Owner's Name: Poma Distributing Company, Inc.

Property Address: 3010 11th Street, Riverside, CA 92507

I, Property Owner of the above address, do authorize the undersigned individual, to pull permits from the City of Riverside on my behalf. If this information changes, I will contact your office in writing.

IMPORTANT NOTICE TO OWNER-BUILDERS

The California Health & Safety Code Sec. 19830, states that:

"For you protection you should be aware that as "owner-builder" you are the responsible party of record on such a permit. Building permits are not required to be signed by property owners unless they are personally performing their own work. If your work is being performed by someone other than yourself, you may protect yourself from possible liability if that person applies for the proper permit in his or her name.

Contractors are required by law to be licensed and bonded by the State of California and to have a Business License from the city or county. They are also required by law to put their license number on all permits for which they apply.

If you plan to do your own work, with the exception of various trades that you plan to subcontract, you should be aware of the following information for your benefit and protection:

If you employ or otherwise engage any persons other than your immediate family, and the work (including materials and other costs) is $200 or more for the entire project, and such persons are not licensed as contractors or subcontractors, then you may be an employer.

If you are an employer, you must register with the state and federal government as an employer and you are subject to several obligations including state and federal income tax withholding, federal social security taxes, workers' compensation insurance, disability insurance costs, and unemployment compensation contributions.

There may be financial risks for you if you do not carry out these obligations, and these risks are especially serious with respect to workers' compensation insurance.

For more specific information about your obligations under federal law, contact the Internal Revenue Service (and, if you wish, the U.S. Small Business Administration). For more specific information about your obligations under state law, contact the Department of Benefit Payments and the Division of Industrial Accidents.

If the structure is intended for sale, property owners who are not licensed contractors are allowed to perform their work personally or through their own employees, without a licensed contractor or subcontractor, only under limited conditions.

A frequent practice of unlicensed persons professing to be contractors is to secure an "owner-builder" building permit, erroneously implying that the property owner is providing his or her own labor and material personally. Building permits are not required to be signed by property owners unless they are performing their own work personally.

Information about licensed contractors may be obtained by contracting the Contractors' State License Board in your community or at 1020 N Street, Sacramento, CA 95814".

Nicolee Dana
Print Name of Authorized Agent

Nicolee Dana
Signature of Authorized Agent

By my signature, I acknowledge that I have read and understand the above information.

Signature of Property Owner

11/18/97
Date

AFFIX NOTARY SEAL HERE:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Bernardino

On Nov. 18, 1997 (Date) before me, Cecelia C. Helmuth, Notary Public (Name and Title of Officer (e.g., "Jane Doe, Notary Public"))

personally appeared Michael Dana (Name(s) of Signer(s))

☒ personally known to me – OR – ☐ ~~proved to me on the basis of satisfactory evidence~~ to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

CECELIA C. HELMUTH
Commission # 1081688
Notary Public — California
San Bernardino County
My Comm. Expires Feb 10, 2000

WITNESS my hand and official seal.

Cecelia C. Helmuth
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: City of Riverside - Authorized Agent Letter

Document Date: 11-18-97 Number of Pages: 1

Signer(s) Other Than Named Above: Nicolee Dana

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing:

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer's Name: _____

☐ Individual
☐ Corporate Officer
Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing:

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

© 1994 National Notary Association • 8236 Remmet Ave., P.O. Box 7184 • Canoga Park, CA 91309-7184 Prod. No. 5907 Reorder: Call Toll-Free 1-800-876-6827

Phil Quin

RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER2 03/28
Activity Full Description Maintenance BUILDING PERMIT-COM/
Permit No: 95-3377 Owner: MLM PROPERTIES
Status: APPROVED Address: 3087 TWELFTH ST

Full Work Description

Description: Page No: 1
2REMODEL RESTROOM IN MAIN BUILDING-ROYAL CITRUS-
2CHECK #1930
2PERMIT CHECK #2013 (CHAPMAN CONSTRUCTION)
2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN
2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**
2
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

Phil Quin

Roy E. Hanson Jr. Mfg.

1924 Compton Avenue ■ Los Angeles, California 90011

Hanson Tank

A.S.M.E. PRESSURE
VESSELS

(213) 747 7514 (213) 747 5363
FAX: (213) 747 7724

FEBRUARY 13, 1996

MR. STEVE WILLIAMS
WILLIAMS REFRIGERATION CO.
209 EAST ALVARADO
POMONA, CALIFORNIA 91767

TEL: (909) 622-5953

REF.: DRAWING NO. MA-938-B 6000# CAPACITY AMMONIA/WATER MIXER.

DEAR STEVE:

THE AMMONIA/WATER MIXER, THAT YOU PURCHASED FOR ROYAL CITRUS, HAS A CAPACITY TO DIFFUSE 6000 LBS. OF AMMONIA IN 6000 GALLONS OF WATER. THE AQUA-AMMONIA SOLUTION IS HELD IN AN APPROPRIATE HOLDING VESSEL FOR PROPER DISPOSAL. THIS VESSEL HAS THE DIMENSIONS OF 10-3/4" O.D. X 66" O.A., AND SHALL BE MOUNTED VERTICALLY. THE MIXER IS NON-A.S.M.E. CODE, AND IS HYDROSTATICALLY TESTED @ 200 PSIG. PRIOR TO SHIPPING. THE VESSEL OUTLET, CONNECTING THE MIXER TO THE HOLDING TANK, SHALL NOT BE VALVED OFF. AMMONIA INLET SHALL BE CONNECTED TO AMMONIA BLOW-DOWN STATION, CITY WATER CONNECTION SHALL HAVE A CHECK VALVE TO PREVENT BACK-FLOW. EMERGENCY WATER CONNECTION, SHALL BE PIPED TO A LOCATION, WHERE, FIRE DEPT. CONNECTION MAY BE POSSIBLE.

I HAVE ATTACHES A COPY OF OUR DRAWING# MA-938-B. IF YOU HAVE ANY QUESTIONS, PLEASE CALL ME. THANK YOU.

WITH REGARDS;

Ali Etemadi

ALI ETEMADI - SALES ENGINEER

APPLICATION FOR TEMPORARY CONNECTION OF UTILITIES
CITY OF RIVERSIDE, BUILDING & SAFETY DIVISION

APPLICANT: Royal Citrus Co 3087 12th Street Riverside Ca. 92506
NAME ADDRESS STATE ZIP

PHONE NO: 909-686-0987 **DATE:** 10-19-95

JOB ADDRESS: 3087 12th Street Riverside Ca. 92506

Application is hereby made pursuant to the provisions of the City of Riverside for approval for temporary use of gas and/or electrical utilities prior to completion of the project at the above identified site.

In consideration of the granting of such temporary use, the undersigned waive any cause of action against the City of Riverside, or any officers or employees thereof, because of any defect in the construction or installation of gas or electrical equipment, or for any other defect in connection to or disconnection from any utilities which may cause any damage whatsoever to the premises or its contents, any other premises, or any person or persons. The undersigned further agree to hold the City of Riverside, or any officers or employees thereof, harmless from any liability caused by such temporary clearance and/or disconnection of utilities.

The undersigned further covenant and agree that the above building or buildings **shall not be used or occupied prior to the issuance of a Certificate of Occupancy and that no storage or stacking of commodities will occur without written approval of the Fire Inspector and Building Inspector;** and further covenant that any violation of this agreement shall be grounds for disconnecting the utilities for which temporary use was granted, and issuance of a notice to vacate the buildings and premises.

The undersigned hereby acknowledge that the temporary clearance in no way authorizes occupancy of the building for use or for conducting business and that the issuance of a Certificate of Occupancy, which will authorize the use of the building, requires the approval of the following departments:

Business Tax	(782-5465)	**Public Works**	(782-5671)
Water Utilities	(782-5442)	**Fire**	(782-5321)
Planning/Zoning	(782-5371)	**Building & Safety**	(782-5697)

OWNER SIGNATURE

GENERAL CONTRACTOR SIGNATURE

ELECTRICAL SUB-CONTRACTOR SIGNATURE

PLUMBING\MECHANICAL SUB-CONTRACTOR SIGNATURE

OFFICE USE ONLY

APPROVED: BUILDING OFFICIAL BUILDING INSPECTOR

4 **WIRE**
2500 **AMPS**

UTILITY RELEASE DATE: 11/14/95
PERMIT #

☐ **GAS** ☒ **ELEC**
☐ **HOUSE METER ONLY**

CC: FIRE DEPARTMENT
BUILDING INSPECTOR

DOC: UTILITIE.CON

```
RIVERSIDE        Id: ACTP124  Keyword: UACT      User: COUNTER2         03/2
Activity Full Description Maintenance                     BUILDING PERMIT-COM
  Permit No: 95-2682             Applicant: MLM PROPERTIES - LEW CARDEY
     Status: APPROVED              Address: 3087 TWELFTH ST

Full Work Description

                 Description:                                 Page No:  1
                2NEW FOUNDATION "ONLY" FOR JUICE BIN
                2 CHECK #1897
                2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN
                2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**
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~~78~~ MOTORS

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 TWELFTH

CORRECTION NOTICE

Permit No. 95-3532

(1) PROVIDE GROUND FOR 45 KVA TRANSFORMER

(2) PROVIDE APPROVED PLAN (MATCH WITH DIAGRAM)

(3) MOTOR # 1 B FEED WITH #12 OR CHANGE PLAN

(4) PROVIDE FUSE AS PER PLAN OR CHANGE PLAN

(5) ALL MOTORS MUST BE LABLED

(6) MOTOR # 1 ON PLANS IS IN REALITY 8 MOTORS WITH A ~~OF~~ TOTAL OF 34 h.P NOT 7 h.P.

ALL DISCONECTS MUST HAVE 36" CLEARANCE MANY MISSING K.O.S ALL GUARDS MISSING AT TIME OF THIS INSPECTION

LINE NOT COMPLEATE AT TIME OF THIS INSPECTION NOT A COMPLEATE INSPECTION

Inspector: BOB GRAZIANO Date: 11-22-95

Phone:

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 Twentieth

CORRECTION NOTICE

Permit No. 95-3732

1. Provide ground for 45 KVA transformer
2. Provide approved plan (match with diagram)
3. Motor # 1 & 3 feed with #10 OC change plan
4. Provide base as per plan OC change plan
5. All motors must be labeled
6. Motor # 1 on plans is in reality & motors with a total of 34 h.p. not 7 h.p.

All disconnects must have 36" clearance. Many missing KOs. All guards missing at time of this inspection.

Line not comparate at time

Inspector: Of this inspection not a comparate inspection

Phone: Bob Graziano 4-2945

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-3532

APPROVED PLANS DO NOT MATCH AS BUILT

ALL MOTORS MUST BE IDENTIFIED AND MATCH PLANS

USE FUSE SIZE AS PER PLAN OR GET PLAN CHANGE

REQUEST INSPECTION FOR MONDAY

Inspector: Date: 11-17-95

Phone: BOB GRAZIANO

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-3532

APPROVED PLANS DO NOT MATCH AS BUILT

ALL MOTORS MUST BE IDENTIFIED AND MATCH PLANS

USE FOR SIZE AS THE PLAN OR GET PLAN CHANGE

REQUEST INSPECTION FOR MONDAY

Inspector: Date: 11-17-95

Phone: Bob Graziano

Form No. 271,018 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th St.

CORRECTION NOTICE

Permit No. Special Electrical Inspection

~~[illegible]~~ Phase I

① Complete all fork lift barriers.

② MCC I needs Bolting to Floor.

NOTE: ok to go "on line" with PHASE I corrections to be verified when complete / also pending PHIL IRVINS + DAN (verbal 11-29-95) 11-30-95 RW

Chudys approvals 11-29-95

Inspector: B. Watson Date:

Phone:

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: [illegible] St.

CORRECTION NOTICE

Permit No. Special Electrical Inspection

Phase I

(1) Complete all Tab lift tannions.

(2) Mec I needs Tab ing to Elec.

Note: ok to go "on line" with Phase I corrections to be verified when complete. Also pending Phil Davis + Dan Cooley approvals 11-21-93

Inspector: Date:

Phone: R. Watson

Form No. 271.915 Office Copy

Inspector:

```
RIVERSIDE        Id: ACTP124  Keyword: UACT      User: COUNTER2
Activity Full Description Maintenance                    BUILDING PERMIT-CON
  Permit No: 95-2885            Applicant: ED HUNT
     Status: APPROVED             Address: 3087 TWELFTH ST

Full Work Description

                 Description:                              Page No:  1
               2PLUMB AND ELECTRICAL FOR T I FOR ROYAL CITRUS
               2PLUMBING ONLY AS OF 11\9\95-ELEC PENDING PLANNING
               2APPROVAL AND ISSUANCE OF APPROVED ELEC PLANS.
               2CHECK #1855
               2PERMIT CHECK #1945
               2**LIGHTING FOR 29,500 SQ FT ADDED TO PMT ON 12/18/
               2 95-CHECK #2007**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update,  ESC=Exit Desc Maint
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RIVERSIDE        Id: ACTP124  Keyword: UACT      User: COUNTER2          03/28
Activity Full Description Maintenance                    BUILDING PERMIT-COM/
  Permit No: 95-2885                 Owner: MLM PROPERTIES
     Status: APPROVED               Address: 3087 TWELFTH ST

Full Work Description

                 Description:                            Page No:  1
               2PLUMB AND ELECTRICAL FOR T I FOR ROYAL CITRUS
               2PLUMBING ONLY AS OF 11\9\95-ELEC PENDING PLANNING
               2APPROVAL AND ISSUANCE OF APPROVED ELEC PLANS.
               2CHECK #1855
               2PERMIT CHECK #1945
               2**LIGHTING FOR 29,500 SQ FT ADDED TO PMT ON 12/18/
               2 95-CHECK #2007**
               2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN
               2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update,  ESC=Exit Desc Maint
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CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-2681

1) PROVIDE ACCESS TO MEN'S RESTROOM BLDG "C"

2) DOOR SHALL NOT OPEN OVER A STEP

3) COVER PLATE FOR GFCI OUTLET

Inspector: IHUI Date: 4-2-97

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3287 [illegible]

CORRECTION NOTICE

Permit No. 45-2631

1) Please access to Men's Restroom Bus "C"

2) Door Shape not Open Door & Stop

3) Cover Plate for GFCI outlet

Inspector: [illegible] Date: [illegible]

Phone: 782-5362

Form No. 271.015 Office Copy

RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER2 03/2

Activity Full Description Maintenance BUILDING PERMIT-CON

Permit No: 95-2681 Owner: MLM PROPERTIES

Status: APPROVED Address: 3087 TWELFTH ST

Full Work Description

Description: Page No: 1

2RESTROOM RENOVATION - BUILDING C

2PERMIT CHECK # 1892

2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN

2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**

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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER2 03/28
Activity Full Description Maintenance BUILDING PERMIT-COM/
Permit No: 96-1171 Owner: MLM PROPERTIES
Status: APPROVED Address: 3087 TWELFTH ST

Full Work Description

Description: Page No: 1

2CONVEYOR SUPPORTS
2 CHECK #2240
2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN
2 CONST - B01608944) ON 3/28/97 - CHECK #3787**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 Dth

CORRECTION NOTICE

Permit No. 95-2201

1) ADD WHEEL GUARD AT MORE THAN 4" OF DIFFERENCE BETWEEN PARALLEL PATHS OF TRAVEL

2) PROVIDE PATH OF TRAVEL FROM DOOR TO SIDEWALK

3) PROVIDE EXIT PATH OF TRAVEL TO MAN DOORS

Inspector: IRVIN

Date: 4-2-97

Phone: 782 5262

Form No. 271.015

Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 [illegible]

CORRECTION NOTICE

Permit No. 95-2201

1) ADD wheel [illegible]
AT [illegible] Than 4"
OF DIFFERENCE BETWEEN
PARALLEL PATHS OF TRAVEL
2) PROVIDE PATH OF TRAVEL
FROM DOOR TO SIDEWALK
3) PROVIDE EXIT [illegible] PATH
OF TRAVEL TO MAIN DOORS

Inspector: [illegible] Date: 4-2-97

Phone: 781-5362

Form No. 271-078 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-2201

1) PROVIDE LABELS FOR ALL ELECTRIC CONTROLS
2) PROVIDE KO SEALS AT SUB PANEL
3) LABEL SUB PANEL
4) LABEL DOORS TO ELECTRIC ROOM FOR CONTROLS OF AMMONIA SYSTEM

FEED FOR TRANSFORMER

Inspector: [illegible] Date: 4-2-97

Phone: 782 5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3987 12th

CORRECTION NOTICE

Permit No. 95-2201

1) Flavor Insects for All Electric Centers
2) Flavor Ko Seals AT Sub Panel
3) Label Sub Panel
4) Label Cans To Electric Area for Centers of Amount System

Pass for Thermal

Inspector: [illegible] Date: 4-3-97

Phone: 782 5362

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-2201

1) PROVIDE LETTER FROM STRUCTURAL ENGINEER STATING EXISTING TRUSSES CAN CARRY THE WEIGHT OF ELECTRICAL CONDUITS

Inspector: IRVIN Date: 11-8-95

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 Twelfth

CORRECTION NOTICE

Permit No.

(1) 2" waste line must maintain min 1/4" Per Ft. Fall

(2) MAX. of 135° Bend Allowed in waste line before cleanout req.

(3) Do Not Cover

Inspector: JD

Date: 9-15-95

Phone:

Form No. 271.015

Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 Tuelfth

CORRECTION NOTICE

Permit No.

1. 2" waste line must maintain min "4" Per Ft. Fall

2. MAX. of 135° Bend Allowed in waste line before element req.

3. Do Not Cover

Inspector: JD

Date: 9-15-95

Phone:

Form No. 271 016

Office Copy

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RIVERSIDE        Id: ACTP124  Keyword: UACT      User: COUNTER2          03/28
Activity Full Description Maintenance                    BUILDING PERMIT-COM
  Permit No: 95-2339                Owner: MLM PROPERTIES
     Status: APPROVED             Address: 3087 TWELFTH ST
     Notice: LINKED TO  #95-2201
Full Work Description

                Description:                            Page No:  1
               2TENANT IMPROVEMENT & STEEL FRAME SHADE SCREEN
               2 PC CHECK #1781
               2**PERMIT CHECK # 1856**
               2PERMIT CHECK # 1892**REVISION TO ORIGINAL PERMIT
               2TO INCLUDE SUN SHADE-JLB
               2**REVISION TO STAGGING CANOPY ON 11/09/95 PAID ON
               2  PERMIT NUMBER #95-2201**
               2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN
               2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update,  ESC=Exit Desc Maint
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CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-2539

1) HANDRAIL HEIGHT SHALL BE 34-38 INCHES ABOVE STAIR OR LANDING

2) HANDRAILS SHALL EXTEND 12" PLUS TREAD WIDTH AT BOTTOM OF STAIRS

3) HANDRAILS SHALL RETURN

4) HANDRAIL AT RAMP SHALL BE 34-38 ABOVE RAMP AND EXTEND 12" BEYOND TOP & BOTTOM

Inspector: IRVIN Date: 4-2-97

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 [illegible]

CORRECTION NOTICE

Permit No. 95 [illegible]

1) Handrail Height Shall be 34-38 inches Rising Stair Or Landing

2) Handrails Shall Extend 12" Plus Tetra Width At Bottom Of Stairs

3) Handrails Shall Extend

4) Handrail At Roof Shall Be 34-38 Above Roof And Extend 12" Beyond Top & Bottom

Inspector: [illegible] Date: [illegible]

Phone: 782-5323

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3087 12th

CORRECTION NOTICE

Permit No. 95-3377

1) WRAP TRAPS IN RESTROOMS

2) FLUSH LEVER SHALL BE ON WIDE SIDE OF TOILET

3) PROVIDE TEST FOR "E" LIGHTS

4) LABEL CIRCUIT BREAKERS FOR RESTROOM

5) SEAL ROOF AT PLUMBING PENETRATION

Inspector: TKUN Date: 4-2-97

Phone: 782-5222

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3067 19th

CORRECTION NOTICE

Permit No. 95-5322

1) Wrap Tanks in Restrains

2) Finish Level Shall Be on Wire Side Of Tank

3) Provide Test For "B" Lines

4) Vehicle Circuit Changes For Restrains

5) Seal Pipe at Pumping Penetration

Inspector: [illegible] Date: [illegible]

Phone: 782-5222

Form No. 321.018 Office Copy

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RIVERSIDE        Id: ACTP124  Keyword: UACT     User: COUNTER2          03/28
Activity Full Description Maintenance                    BUILDING PERMIT-COM/
  Permit No: 95-2201               Owner: MLM PROPERTIES
     Status: APPROVED            Address: 3087 TWELFTH ST
     Notice: LINKED TO  #95-2339
Full Work Description

                  Description:                          Page No:  2
                 2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN
                 2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update,  ESC=Exit Desc Maint
Description updated OK
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PHIL IRVIN

RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER1
Activity Full Description Maintenance BUILDING PERMIT-CO
Permit No: 95-2339 Owner: ROYAL CITRUS
Status: APPROVED Address: 3087 TWELFTH ST
Notice: LINKED TO #95-2201
Full Work Description

Description: Page No: 1
2TENANT IMPROVEMENT & STEEL FRAME SHADE SCREEN
2 PC CHECK #1781
2**PERMIT CHECK # 1856**
2PERMIT CHECK # 1892**REVISION TO ORIGINAL PERMIT
2TO INCLUDE SUN SHADE-JLB
2**REVISION TO STAGGING CANOPY ON 11/09/95 PAID ON
2 PERMIT NUMBER #95-2201**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

PHIL IRVIN

RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER1
Activity Full Description Maintenance BUILDING PERMIT-CO
Permit No: 95-2201 Applicant: CHAPMAN CONSTRUCTION
Status: APPROVED Address: 3087 TWELFTH ST
Notice: LINKED TO #95-2339
Full Work Description

Description: Page No: 1
2T.I. ROYAL CITRUS-BLDG A-ADD TRUCK CANOPY AND
2RENOVATE RESTROOMS-
2BLDG B-ADD RAMPS, ADD MECHANICL EQUIPT TOWERS,
2RENOVATE ELECT/MECH ROOMS
2PC CHECK #1761
2*
2RELEASED FOR FOUNDATION ONLY FOR MECHANICAL
2MECHANICAL EQUIPMENT TOWER ONLY ON 8-11-95
2 CHECK #1799
2*
2RELEASED FOR FULL PERMIT ON 9/14/95
2**REVISION FOR TRUCK CANOPY ON 11/09/95 CK #1944**
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

Phil Irwin

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RIVERSIDE        Id: ACTP124  Keyword: UACT      User: COUNTER1          10/
Activity Full Description Maintenance                      BUILDING PERMIT-CO
  Permit No: 95-2339                 Owner: ROYAL CITRUS
     Status: APPROVED              Address: 3087 TWELFTH ST
     Notice: LINKED TO  #95-2201
Full Work Description

               Description:                              Page No:  1
             2TENANT IMPROVEMENT & STEEL FRAME SHADE SCREEN
             2 PC CHECK #1781
             2**PERMIT CHECK # 1856**
             2PERMIT CHECK # 1892**REVISION TO ORIGINAL PERMIT
             2TO INCLUDE SUN SHADE-JLB
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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update,  ESC=Exit Desc Maint
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RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER2 03/2

Activity Full Description Maintenance BUILDING PERMIT-CUM

Permit No: 96-0363 Owner: MLM PROPERTIES

Status: APPROVED Address: 3087 TWELFTH ST

Full Work Description

Description: Page No: 1

2RETAINING WALL, DECK, STAIRS & GUARD RAIL

2 CHECK #2114

2**CHANGED TO OWNER/BUILDER FROM CONT (CHAPMAN

2 CONST - #B01608944) ON 3/28/97 - CHECK #3787**

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F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

PERMIT NUMBER
95-2682

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Exp 3-28-98

Address: 3087 TWELFTH ST
Location:

Insp Area: D

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 08/31/1995
Issued: 10/19/1995

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning: M-2
Occupancy Group: B2

Owner: CARDEY HELEN
Applicant: HUNT ED
Address: 6911 MAGNOLIA AV
RIVERSIDE CA 92506
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048841

Phone: 909 686-0987
Phone: 909 369-6069
Phone: 909 657-5190
License: B01608944

****

Permit Description:
NEW FOUNDATION "ONLY" FOR JUICE BIN
CHECK #1897

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 1,500.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		1,500.00
Table Date: 06/07/1991		Total Valuation:		1,500.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	7.00
Plan Check	35.00	Acreage fee	.00
Building	35.00	Storm Drain	.00
Microfilm	24.00	Park Fee	.00
Plumbing	.00	Regional Park	.00
Mechanical	.00	Other Dept. Fees	.00
Electrical	.00	Extra Fees (Misc)	.00
SMIP	.50		
		TOTAL FEES	126.50

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

6142/544 19Oct95 123/11 $88.00 0000952682 Buildn

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: Ja

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

24989

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: 10209 Sun Road Fr,s

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B01 Lic. No. 608944 Date 10/19/95

Contractor Signature X Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date / / Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND

Policy Number 1044253-95

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 10/19/95 Applicant: X Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary F Chapman — Signature of Applicant

10/19/95 — Date

PERMIT NUMBER

95-3532

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Expired 12-16-96 (RW)

Address: 3087 TWELFTH ST
Location:

Insp Area: I

Type: ELEC
Category: NRES
Class Code:

Status: APPROVED
Submittal: 11/16/1995
Issued: 11/16/1995

Parcel #: 213-192-005
Cens Tr:
Use Code:

Zoning:

Occupancy Group: B-2

Owner: MLM PROPERTIES LLC
Applicant: JOHN HEWITT
Address: 1279 E 9TH ST
UPLAND CA 91786

Phone: 909 686-0987
Phone: 909 399-4878

Contractor:
Bus Lic:

Phone:
License:

****

Permit Description:
ELECTRICAL INSPECTION FOR NON-UL LISTED EQUIPMENT
-NO WORK BEING DONE-
4-HOURS AND 50 MOTORS
CHECK #5461

SERVICE - Type: ELEC
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS

Front:	.0	Back:	.0
Left:	.0	Right:	.0

VALUATION: .00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	53.70
Plan Check	.00	Acreage fee	
Building		Storm Drain	
Microfilm	.00	Park Fee	
Plumbing		Regional Park	
Mechanical		Other Dept. Fees	
Electrical	537.00	Extra Fees (Misc)	.00
SMIP			
		TOTAL FEES	615.70

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

6161/159 16Nov95 123/11 $615.70 0000953532 Build

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY

IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: JR

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

25324

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE _____ AMPS

NOTES: 11-17-95 MR IRVIN ON PREVIOUS INSPECTIONS TOLD ELECTRICAL CONTRACTOR THE SAME THING AS THIS CORRECTION BG

2-27-96 RW ok LINE #2

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____ Date ___/___/___

Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date ___/___/___ Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11-16-95 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

_____ Signature of Applicant 11-16-95 Date

PERMIT NUMBER

95-2885

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

RXP 11-17-95

Address: 3087 TWELFTH ST
Location:

Insp Area: I

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 09/20/1995
Issued: 11/09/1995

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning:
Occupancy Group: B-2

Owner: ROYAL CITRUS COMPANY
Applicant: ED HUNT
Address: 6911 MAGNOLIA AVE
RIVERSIDE CA 92506
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048841 GARY CHAPMAN-AP

Phone: 909 686-8998
Phone: 909 369-6069
Phone: 909 657-5190
License: B01608944

****

Permit Description:
PLUMB AND ELECTRICAL FOR T I FOR ROYAL CITRUS
PLUMBING ONLY AS OF 11\9\95-ELEC PENDING PLANNING
APPROVAL AND ISSUANCE OF APPROVED ELEC PLANS.
CHECK #1855
PERMIT CHECK #1945

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 25,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		25,000.00
		Total Valuation:		25,000.00

Table Date: 06/07/1991

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	56.45
Plan Check	252.00	Acreage fee	.00
Building	252.00	Storm Drain	.00
Microfilm	14.00	Park Fee	.00
Plumbing	41.75	Regional Park	.00
Mechanical	6.75	Other Dept. Fees	100.00
Electrical	12.00	Extra Fees (Misc)	.00
SMIP	5.25		
		TOTAL FEES	765.20

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

6157/224 9Nov95 123/11 $488.00 0000952885 Buildn

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY

IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: RN | DC

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

25242

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test Main Line	11-13-95	SWA
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: 11-17-95 @ GAS LINE TO LEMON WASHER

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B01 Lic. No. 608944 Date 11/9/95

Contractor Signature X Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date / / Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND

Policy Number 1044253-95

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 11-9-95 Applicant: X Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary F Chapman — Signature of Applicant

11-9-95 — Date

PERMIT NUMBER

95-2681

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

RYP 4-16-97

Address: 3087 TWELFTH ST
Location:

Insp Area: D

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 08/31/1995
Issued: 10/13/1995

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning:
Occupancy Group: B-2

Owner: CARDEY HELEN
Applicant: HUNT ED
Address: 6911 MAGNOLIA AV
RIVERSIDE CA 92506
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048841 GARY CHAPMAN-AP-

Phone: 909 686-0987
Phone: 909 369-6069

Phone: 909 657-5190
License: B01608944

****

Permit Description:
RESTROOM RENOVATION - BUILDING C
PERMIT CHECK # 1892

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 25,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		25,000.00
Table Date: 06/07/1991		Total Valuation:		25,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	59.80
Plan Check	252.00	Acreage fee	.00
Building	252.00	Storm Drain	.00
Microfilm	10.00	Park Fee	.00
Plumbing	62.00	Regional Park	.00
Mechanical	9.00	Other Dept. Fees	.00
Electrical	22.99	Extra Fees (Misc)	.00
SMIP	5.25		
		TOTAL FEES	698.04

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

6138/143 13Oct95 123/11 $420.84 0000952681 Build

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: JR

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

24913

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall	4-16-96	
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing	8-3-96	
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 Lic. No. 608944 Date 10, 13 95

Contractor Signature Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.)

☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date ___/___/___ Owner Signature ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 10H-4253-95 (10-24-96)

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 10/13/95 Applicant: Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lenders' Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Gary F Chapman — Signature of Applicant — 10/13/95 — Date

PERMIT NUMBER

96-1171

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Exp 3-28-98

Address: 3087 TWELFTH ST
Location:

Insp Area: I

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 04/11/1996
Issued: 04/11/1996

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning: M-2

Occupancy Group: B

Owner: MLM PROPERTIES
Applicant: CHAPMAN CONSTRUCTION
Address: CHAPMAN GARY F
24851 EDWARDS ST
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048841

Phone: 909 686-8998
Phone: 909 657-5190

Phone: 909 657-5190
License: B01608944

****

Permit Description:
CONVEYOR SUPPORTS
CHECK #2240

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 10,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		10,000.00
Table Date: 06/07/1991		Total Valuation:		10,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	23.40
Plan Check	117.00	Acreage fee	.00
Building	117.00	Storm Drain	.00
Microfilm	22.00	Park Fee	.00
Plumbing	.00	Regional Park	.00
Mechanical	.00	Other Dept. Fees	.00
Electrical	.00	Extra Fees (Misc)	.00
SMIP	2.10		
		TOTAL FEES	306.50

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: PC

271-033
White—Building Div. Pink—Business Tax Card—Job Site

27038

Structural Inspection		
Type	Date	Sign
Foundation, Location	4-25-96	[illegible]
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: 4-25-96 [illegible] Sea Cages / 5-1-96 [illegible] Top of Cages & Bolts

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B01 Lic. No. 608944 Date 4.11.96

Contractor Signature X Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.)

☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date __/__/__ Owner Signature ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 7044253-95

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 4/11/96 Applicant: X Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lenders' Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary F Chapman
Signature of Applicant

4/11/96
Date

PERMIT NUMBER
95-2339

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

EXP 3-28-98

Address: 3007 TWELFTH ST
Location: BUILDING B

Insp Area: I

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 08/03/1995
Issued: 09/14/1995

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning: M-2

Occupancy Group: B-2

Owner: ROYAL CITRUS
Applicant: CHAPMAN CONSTRUCTION
Address: 24851 EDWARDS ST
PERRIS CA 92570
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048841

Phone: 909 686-8998
Phone: 909 657-5190

Phone: 909 657-5190
License: B01608944

****

Permit Description:
TENANT IMPROVEMENT & STEEL FRAME SHADE SCREEN
PC CHECK #1781
**PERMIT CHECK # 1056

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS

Front:	.0	Back:	.0
Left:	.0	Right:	.0

VALUATION: 200,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		200,000.00
		Total Valuation:		200,000.00

Table Date: 08/07/1991

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	198.90
Plan Check	989.50	Acreage Fee	.00
Building	989.50	Storm Drain	.00
Microfilm	24.00	Park Fee	.00
Plumbing	10.00	Regional Park	.00
Mechanical	.00	Other Dept. Fees	.00
Electrical	.00	Extra Fees (Misc)	.00
SMIP	42.00		
		TOTAL FEES	2,278.90

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

6117/84 14Sep95 123/11 $1190.45 0000952339 Build

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY:

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

24525

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing	9-18-95	
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

9-19-95
NOTES: SLAB - SRR Plans

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 Lic. No 698944 Date 9/14/95

Contractor Signature X Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date ___/___/___ Owner Signature ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 1044253-94 10-24-95

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 9-14-95 Applicant: X Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lenders' Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary F Chapman — Signature of Applicant 9-14-95 — Date

PERMIT NUMBER

95-3377

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

EXP 4-16-97

Address: 3087 TWELFTH ST
Location:

Insp Area: I

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 11/02/1995
Issued: 12/21/1995

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning: M-2

Occupancy Group: B-2

Owner: MLM PROPERTIES
Applicant: ED HUNT
Address: 6911 MAGNOLIA AVE
RIVERSIDE CA 92506
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048641 GARY CHAPMAN-APP

Phone: 909 686-8998
Phone: 909 369-6069

Phone: 909 657-5190
License: B01608944

****

Permit Description:
REMODEL RESTROOM IN MAIN BUILDING-ROYAL CITRUS-
CHECK #1930
PERMIT CHECK #2013 (CHAPMAN CONSTRUCTION)

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS

Front:	.0	Back:	.0
Left:	.0	Right:	.0

VALUATION: 15,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		15,000.00
Table Date: 06/07/1991		Total Valuation:		15,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	41.50
Plan Check	162.00	Acreage fee	.00
Building	162.00	Storm Drain	.00
Microfilm	16.00	Park Fee	.00
Plumbing	74.00	Regional Park	.00
Mechanical	9.00	Other Dept. Fees	.00
Electrical	8.00	Extra Fees (Misc)	.00
SMIP	3.15		
		TOTAL FEES	500.65

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

6185/401 21Dec95 123/11 $322.45 0000953377 Build

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: _____

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

6185/401

25762

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing	4-9-96	P
Insulation	4-10-96	P
Drywall	4-16-96	P
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing	3-18-96	RW by P
Rough Plumbing	4-9-96	P
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring	4-10-96	P
Other Rough	4-9-96	P
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B01 Lic. No. 608944 Date 12-21-95

Contractor Signature X

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

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☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date / / Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND

Policy Number 1044253-95

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12-21-95 Applicant: X Gary J. Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary J. Chapman — Signature of Applicant

12-21-95 — Date

PERMIT NUMBER

96-0363

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Exp 3-28-98

Address: 3087 TWELFTH ST
Location:

Insp Area: I

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 02/05/1996
Issued: 02/05/1996

Parcel #: 211-201-003
Cens Tr:
Use Code: 0027

Zoning: M-2

Occupancy Group: B

Owner: MLM PROPERTIES
Applicant: CHAPMAN CONSTRUCTION
Address: CHAPMAN GARY F
24851 EDWARDS ST

Phone: 909 686-8998
Phone: 909 657-5190

Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 048041

Phone: 909 657-5190
License: B01608944

****

Permit Description:
RETAINING WALL, DECK, STAIRS & GUARD RAIL
CHECK #2114

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 10,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
* Miscellaneous	Retaining Wall (sq ft)	7.00	375	2,625.00
* Miscellaneous	Shed/Deck	12.00	450	5,400.00
		Subtotal:	825	8,025.00
		Multiplier 1.00:		8,025.00
		Addl Fixed Amount:		1,975.00
Table Date: 06/07/1991		Total Valuation:		10,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	23.40
Plan Check	117.00	Acreage fee	.00
Building	117.00	Storm Drain	.00
Microfilm	18.00	Park Fee	.00
Plumbing	.00	Regional Park	.00
Mechanical	.00	Other Dept. Fees	.00
Electrical	.00	Extra Fees (Misc)	.00
SMIP	2.10		
		TOTAL FEES	302.50

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

6220/207 5Feb96 123/11 $302.50 0000960363 Buildg

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY

IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: PC

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

26218

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift Pour	2-28-96	P
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☑ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: 2-14-96 P ROT WALL FTGS

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B/C Lic. No. 698944 Date 2.5.96

Contractor Signature X Gary J Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

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☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date / / Owner Signature ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 1044253-95

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 2/5/96 Applicant: X Gary J Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lenders' Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary J Chapman — Signature of Applicant — 2/5/96 — Date

PERMIT NUMBER

95-2201

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

EXP 3-28-98

Address: 3087 TWELFTH ST
Location: BLDG A + BLDG B
Type: BLDGCOM
Category: ACOM
Class Code: 437

Parcel #: 211-201-003
Cens Tr:
Use Code:

Insp Area: I
Status: APPROVED
Submittal: 07/24/1995
Issued: 08/11/1995

Zoning:
Occupancy Group: B-2

Owner: ROYAL CITRUS — Phone: 909 686-8998
Applicant: CHAPMAN CONSTRUCTION — Phone: 909 657-5190
Address: GARY CHAPMAN
24851 EDWARD ST
Contractor: CHAPMAN CONSTRUCTION — Phone: 909 657-5190
Bus Lic: 048841 GARY CHAPMAN - AP — License: B01608944

****

Permit Description:
T.I. ROYAL CITRUS-BLDG A-ADD TRUCK CANOPY AND
RENOVATE RESTROOMS-
BLDG B-ADD RAMPS, ADD MECHANICL EQUIPT TOWERS, - 1ST BLDG ON RIGHT
RENOVATE ELECT/MECH ROOMS
PC CHECK # 1761
*
RELEASED FOR FOUNDATION ONLY FOR MECHANICAL
MECHANICAL EQUIPMENT TOWER ONLY ON 8-11-95
CHECK #1799

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 100,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		100,000.00
Table Date: 06/07/1991		Total Valuation:		100,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	165.70
Plan Check	639.50	Acreage fee	.00
Building	639.50	Storm Drain	.00
Microfilm	56.00	Park Fee	.00
Plumbing	94.00	Regional Park	.00
Mechanical	27.00	Other Dept. Fees	.00
Electrical	257.00	Extra Fees (Misc)	.00
TOTAL FEES	1,721.25	TOTAL PAID	1,721.25

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

6094/68 11Aug95 123/9 $1221.25 0000952201 Buildn

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: [illegible]

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

24129

Structural Inspection		
Type	Date	Sign
Foundation, Location	8-14-95	P
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall	4-9-96	P
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: 9-25-95 P Rlg Restrom U.G.
10-3-95 U/G for drinking fountain OK Phase I.
11-2-95 P Fry Rale walls, Rlg Restrooms
2-9-96 P Pressure Test For Ammonia System

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 Lic. No. 608944 Date 8/11/95

Contractor Signature X Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date __/__/__ Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 1044253-94 (10-24-95)

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 8-11-95 Applicant: X Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

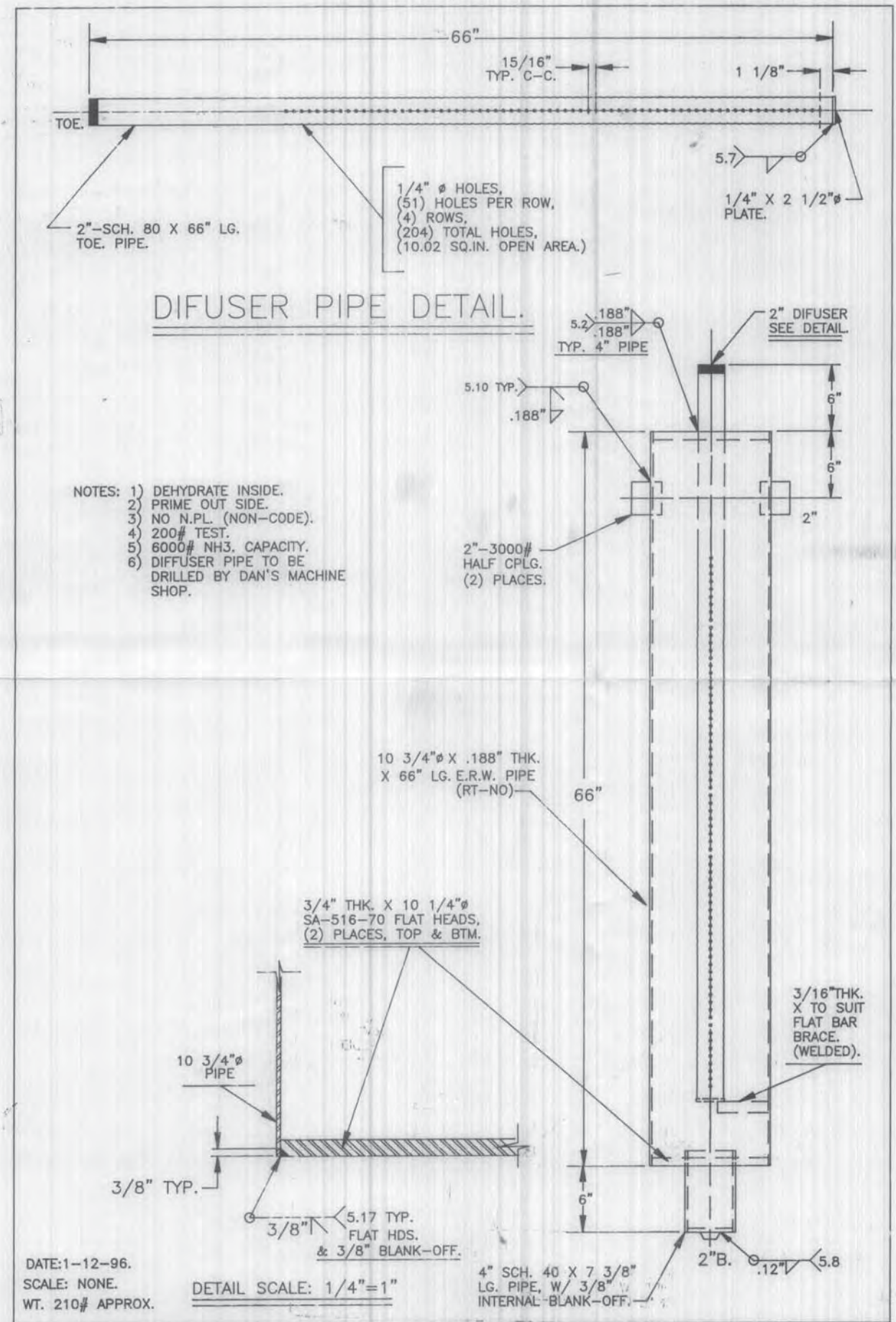
Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

X Gary F Chapman 8-11-95

Signature of Applicant Date



ROY E. HANSON JR. MFG.
1924 COMPTON AVE., L.A., CA. 90011

FOR: WILLIAMS REF.CO.
DRAWING NO.: MA-938-B

electro eti incorporated
Independent Testing & Engineering Services for Electrical Power Systems

Pacific Southwest
REGIONAL OFFICE

3150-B EAST BIRCH STREET
BREA, CA 92821
(714) 961-2888
FAX (714) 961-2889

April 24, 1997
ETI Reference #: 2079579

Mr. John Hewitt
Rymax Electric
1279-A East Ninth Street
Upland, CA 91786

Subject: Ground Fault System Test Report

Enclosed please find two (2) copies of the subject test report, as prepared by ETI Field Engineer, Mr. Eugene Kaneshiro.

We appreciate this opportunity to serve you. If you have any questions or, if we can be of any further service, please feel free to call me.

Sincerely,

ELECTRO-TEST, INC.

Richard Rice, P.E. /AMO

Richard Rice, P.E.
Operations Supervisor

RR/ad
enc.

electro-test incorporated
Independent Testing & Engineering Services for Electrical Power Systems

Pacific Southwest
REGIONAL OFFICE

3150-B EAST BIRCH STREET
BREA, CA 92821
(714) 961-2888
FAX (714) 961-2889

GROUND FAULT SYSTEM TEST REPORT

ETI Reference #: 2079579 April 22, 1997

Client: Rymax Electric
1279-A East Ninth Street
Upland, CA 91786

Site: Royal Citrus
3075 Tenth Street
Riverside, CA

Attention: Mr. John Hewitt

1.0 PURPOSE

Performance tests of the ground fault protective equipment are conducted to verify proper installation and operation. The current National Electrical Code Section 230-95(c) requires an on site test on new installations of all ground fault systems upon installation.

2.0 SUMMARY

2.1 At the request of Mr. John Hewitt of Rymax Electric, the ground fault system testing was performed by Mr. Eugene Kaneshiro of Electro-Test, Inc. on April 22, 1997.

2.2 The system was found operational and acceptable.

2.3 Relay settings were provided by Rymax Electric.

2.4 The "as-left" ground fault settings are as follows:

Circuit	Amperes Pickup	Time Delay
Main Switchboard MSB1	1040 amps	0.5 sec

3.0 EQUIPMENT TESTED

3.1 Ground Fault System on the Main Switchboard MSB1 - SQ-D 2500A circuit breaker with Micrologic trip unit

4.0 PROCEDURES

4.1 Visual and Mechanical Inspection

4.1.1 Inspected components for physical damage and installation in compliance with manufacturer's instructions.

4.1.2 Determined ground fault sensor was located properly around appropriate conductors.

- Residual sensing requires all phases and the neutral to be encircled by the sensor.

4.1.3 Inspected main bonding jumper to assure:

- Proper size
- Termination on source side of neutral disconnect link.

4.1.4 Inspected grounding electrode conductor to assure:

- Proper size
- Correct switchboard termination

4.1.5 Visually inspected switchboard neutral bus downstream of neutral disconnect link to verify absence of ground connections.

4.2 Electrical Tests

4.2.1 Ground fault system performance including correct response of the circuit interrupting device was confirmed by primary ground sensor current injection.

- Relay pickup current was measured.
- Relay time delay was measured at two values above pickup.

4.2.2 Verified proper sensor polarity on phase and neutral sensors for residual systems.

4.2.3 Measured system neutral insulation resistance downstream of neutral disconnect link to verify absence of grounds.

4.3 Test Results Evaluation

4.3.1 System neutral insulation resistance should be above 100 ohms and preferably 1 megohm or greater.

4.3.2 The maximum pickup setting of the ground fault protection shall be 1200 amperes and the maximum time delay shall be one second for ground fault currents equal to or greater than 3000 amperes (NEC 230-95).

4.3.3 The relay pickup current should be within ten percent of the manufacturer's calibration marks or fixed setting.

4.3.4 Relay timing should be in accordance with the manufacturer's published time-current characteristic curves.

5.0 RESULTS AND RECOMMENDATIONS

5.1 The ground fault relay system was found correctly installed and operating properly.

Report reviewed by:

Richard Rice P.E.
Operations Supervisor

electro • test

GROUND FAULT SYSTEM TEST REPORT

CLIENT: RYMAX ELECTRIC	ENGINEER: EK	ETI JOB NUMBER: 2079579
LOCATION: ROYAL CITRUS, 3075 10th ST, RIVERSIDE	WITNESS: —	DATE: 4/22/97
SWITCHGEAR DESIGNATION: SWITCHBOARD MSB1	TEST EQUIP. ASSET #: 20-628	CALIBRATION DATE: 10-29-96

FIELD DATA

SWITCHBOARD MANUFACTURER	SHOP ORDER NO.	UL NO.
SQ-D	5655206	201673

MAIN OVERCURRENT DEVICE: [X] CIRCUIT BREAKER [ ] FUSED SWITCH — MFGR. SQ-D

TYPE	MODEL/CAT. NO.	CURRENT RATING	SYSTEM VOLTAGE	VOLTAGE RATING
PXL	PXF362500GZ	2500A	480/277 VAC	600VAC

GROUND FAULT SYSTEM: INT. RESIDUAL [ ] NEUTRAL-GROUND STRAP [ ] ZERO-SEQUENCE — MFGR. SQ-D

MODEL	CAT. NO.	PICK-UP RANGE	TIME RANGE	SENSOR/C.T.
MICROLOGIC	SERIES B ①	640-1200	.1-.5 I^2t OUT	NO ACCESS

AS FOUND SETTING	AS LEFT SETTING	SETTINGS SUPPLIED BY
PICKUP CURRENT 1040 TIME .5 sec	PICKUP CURRENT 1040 TIME .5 sec	CLIENT

INSPECTION

SERVICE ENTRANCE CONDUCTORS	MAIN BONDING JUMPER	GROUND ELECTRODE CONDUCTOR
1/4"x4" CU 3 PER PHASE	1/4" x 1/2" CU	4/0 CU [X] AWG [ ] MCM

NEUTRAL-GROUND LOCATION: [X] CORRECT [ ] INCORRECT [ ] CORRECTED BY CONTRACTOR

CONTROL POWER TRANSFORMER: N/A VA

~~MONITOR~~/TEST PANEL OPERATION N/A ② [ ] CORRECT [ ] INCORRECT [ ] CORRECTED

OTHER

ELECTRICAL TESTS

BREAKER/SWITCH REACTION TIME (RT): .02 [X] SECONDS [ ] CYCLES

REDUCED VOLTAGE TEST (55% RATED VOLTAGE): N/A [ ] CORRECT [ ] INCORRECT

PICK-UP CURRENT: (300x3=) 900 AMPS

PICK-UP CURRENT MINUS 25% (780 AMPS): [X] NO TRIP (CORRECT) [ ] TRIP (INCORRECT)

SYSTEM NEUTRAL INSULATION RESISTANCE TO GROUND: 230K Ω (LIGHTING CKT.) ~~MEGOHMS~~

OTHER: NEUT. NO TRIP 2000A FOR 2sec OK

TIME-CURRENT CALIBRATION TESTS	PRIMARY CURRENT AMPERE-TURNS	PERCENT PICK-UP	TOTAL TIME	REACTION TIME	RELAY TIME	MFGR. TOLERANCE
	(520x3) 1560A	150%	.48	.02	.46	.45-.55sec
	(690x3) 2080A	200%	.48	.02	.46	.45-.55sec

REMARKS

① PLUG ARP100 ② NO 120V CONNECTED TO PUSH-TO-TEST SWITCH.

G.F. SYSTEM ACCEPTABLE FOR SERVICE!

©1990 ETI

FAST TRACK

No 271-13

CITY OF RIVERSIDE, CALIFORNIA
APPLICATION FOR BUILDING PERMIT
INTERDEPARTMENTAL CHECK SHEET

JOB ADDRESS 3087 TWELFTH ST. DATE REC'D 9-20-95
LEGAL DESCRIPTION 211-201-003, -004, -026
OWNER Wolverine Western Grp CONTRACTOR Ed Hunt
ADDRESS 611 Anton Bl #1400 ADDRESS 6911 Magnolia Ave
CITY Costa Mesa CA ZIP 92620 CITY Riverside, CA ZIP 92506
PHONE NONE PHONE 909 369-6069

Adjacent street paved Yes ___ No ___ Grading: more than footings/foundations Yes ___ No ___
Curb/gutter exist Yes ___ No ___ less than 50 cu. yd. fill Yes ___ No ___
Sidewalk exists Yes ___ No ___ less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ✓ offsite Yes ___ No ✓
Approved: as submitted ___ as noted ✓
Date rec'd. _____ Date to Bldg. _____ OK for Permit 9-25-95 By B Serz/dd

PLANNING

RDP — School buy-in pd. — Park buy-in comp. —
Case No. SP-004-890 RZ-007-945 ROYAL CITRUS Pkg. req'd.
SP-004-945 VC-007-945 PLUMBING & ELECTRICAL
M-2 ZONE OK FOR PLMBG ONLY - 11/9/95 - R Heitman
Date rec'd _____ Date to P.W. _____ OK for Permit 12/15/95 By R Heitman.
OK - ELECT.

PUBLIC UTILITIES

WATER

*Plbg. plan reqd. Yes ___ No x appvd. Yes ___ No ___
A/C plan reqd. Yes ___ No x appvd. Yes ___ No ___
Backflow device required Yes ___ No ___
Frontage charge -------
Acreage charge -------
Service & meter charge Ex. 2"S - 2"M
Back up charge To Be Paid if Larger Services Meter Req'd by Applicant. Also, Charge if any Changes to Service & Meter by Applicant**
Date rec'd M#111D Date to Power
OK for Permit 9-26-95 By Jeri Waldschmidt
Acc't #3304-05-7 (Service Address: 3091 12th Street)

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.

Date rec'd _____ Date to Bldg _____
OK for Permit 9/27/95 By D. Robinson/dd

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case _____
Improvements covered under _____ Plan preparation fee $ _____

Improvements required:

Plans	Yes ___ No ___	Sewer/storm drain easement on property	Yes ___ No ___
Curbs and gutter	Yes ___ No ___	Sanitary sewer available	Yes ___ No ___
Paving	Yes ___ No ___	required	Yes ___ No ___
Sidewalk	Yes ___ No ___	Septic tank approved	Yes ___ No ___
Driveway approach	Yes ___ No ___	Percolation test appvd/waived	Yes ___ No ___
Other _____		Industrial waste review by PAUL S. 10/17/95 - REH	
Improvement bond posted	Yes ___ No ___	Right-of-way deed required	Yes ___ No ___
Amount of bond $ _____		signed	Yes ___ No ___
Grading permit required	Yes ___ No ___	Compaction report received	Yes ___ No ___
issued	Yes ___ No ___	Civil Engineer's report rec'd	Yes ___ No ___

Date rec'd _____ Date to Water _____ OK for Permit X By X

BUILDING

Valuation $ _____ Plan check fee $ $277.20 Rct. No. 95-2885
Permit Fee Basis $ _____
Site area _____ Use Zone _____
Floor area _____ Type Const. _____
Roof area _____ Occupancy _____
No. stories _____ New Bldg. _____
No. units _____ Addition _____
Park. reqd. _____ Alteration _____
Load. reqd. _____

Add. Plan Check	$
Bldg. Permit	$
Storm drain	$
Acreage fee	$
Swr. Con. fee	$
U.B. fee	$
St. tree fee	$
St. light fee	$
Park fee	$
Water B.U.	$ TO BE PAID IF LARGER SERVICE + METER REQ'D
Plbg. permit	$
Elec. permit	$
Htg. permit	$
Pk buy-in fee	$
IND. WASTE	$ 100.00
	$
TOTAL	$

*PRESSURE REGULATOR REQUIRED
**Ex. 8"FS & 2"Dom. Con. May need to be relocated in future to accommodate RCTC Riv. Stn. Expans. All Costs to be borne by RCTC.

Applicant called: Date _____ By _____
Permit No. 95-2885 Date 12/18/95

P.S.

Date recd. _____ Date to Bldg. _____ OK for permit _____ By X

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 12/18/95 Signature of owner or agent receiving copy of this sheet X Gary F Chapman

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

BTN 3-14

BUILDING & SAFETY COPY

FAST TRACK

No 271-13

CITY OF RIVERSIDE, CALIFORNIA
APPLICATION FOR BUILDING PERMIT
INTERDEPARTMENTAL CHECK SHEET

JOB
ADDRESS 3087 TWELFTH ST
LEGAL DESCRIPTION 211-201-003, -004, -026
OWNER MLM Properties (Royal Citrus)
ADDRESS 3801 University Ave
CITY RIVERSIDE CA ZIP 92501
PHONE (909) 686-8998

CONTRACTOR Ed Hunt
ADDRESS 6911 MAGNOLIA AVE
CITY RIVERSIDE CA ZIP 92506
PHONE (909) 369-6069

DATE REC'D 11/2/95

Adjacent street paved Yes ___ No ___
Curb/gutter exist Yes ___ No ___
Sidewalk exists Yes ___ No ___

Grading: more than footings/foundations Yes ___ No ___
less than 50 cu. yd. fill Yes ___ No ___
less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ✓ offsite Yes ___ No ✓
Approved: as submitted ___ as noted ✓
Date rec'd. _____ Date to Bldg. _____ OK for Permit 11/14/95 By B. Jerz

PLANNING

RDP — School buy-in pd. — Park buy-in comp. —
Case No. GP-004-890 CZ-007-945 ROYAL CITRUS Pkg. req'd. —
SP-004-945 VC-007-945 BLDG 'A' RESTROOMS
M-2 ZONE
Date rec'd _____ Date to P.W. _____ OK for Permit 11/2/95 By R. Allen

PUBLIC UTILITIES

*Plbg. plan reqd. Yes ___ No x appvd. Yes ___ No ___
A/C plan reqd. Yes ___ No x appvd. Yes ___ No ___
Backflow device required Yes ___ No ___
Frontage charge ----------
Acreage charge ----------
Service & meter charge Ex. 2"S - 2"M
Back up charge To Be Paid if Larger Service & Meter Req'd by Applicant. Also, Charge if any Changes to Ex. Service & Meter by Applicant**
Date rec'd M#111D Date to Power _____
OK for Permit 10-12-95 By [illegible]

WATER

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.

Date rec'd _____ Date to Bldg _____
OK for Permit 11-7-95 By D. Robinson

Acc't #3304-05-7 (Service Address: 3091 12th Street)

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case _____
Improvements covered under _____ Plan preparation fee $ _____

Improvements required:

Plans	Yes	No	Sewer/storm drain easement on property	Yes	No
Curbs and gutter	Yes	No	Sanitary sewer available	Yes	No
Paving	Yes	No	required	Yes	No
Sidewalk	Yes	No	Septic tank approved	Yes	No
Driveway approach T.I.	Yes	No	Percolation test appvd/waived	Yes	No
Other			Industrial waste review by C. Stephens		
Improvement bond posted	Yes	No	Right-of-way deed required	Yes	No
Amount of bond $			signed	Yes	No
Grading permit required	Yes	No	Compaction report received	Yes	No
issued	Yes	No	Civil Engineer's report rec'd	Yes	No

Date rec'd _____ Date to Water _____ OK for Permit ✓ By ✓

BUILDING

Valuation $ _____ Plan check fee $ 178.20 Rct. No. 95-3377
Permit Fee Basis $ _____
Site area _____ Use Zone _____
Floor area _____ Type Const. _____
Roof area _____ Occupancy _____
No. stories _____ New Bldg. _____
No. units _____ Addition _____
Park. reqd. _____ Alteration _____
Load. reqd. _____

*PRESSURE REGULATOR REQUIRED
**Ex. 8"FS & 2"Dom. Con. May need to be relocated in future to accommodate RCTC Riv. Stn. Expans. All Costs to be borne by RCTC.

Add. Plan Check	$
Bldg. Permit	$
Storm drain	$
Acreage fee	$
Swr. Con. fee	$
U.B. fee	$
St. tree fee	$
St. light fee	$
Park fee	$
Water B.U.	$ TO BE PAID IF LARGER SERVICE + METER REQ'D
Plbg. permit	$
Elec. permit	$
Htg. permit	$
Pk buy-in fee	$
	$
	$
TOTAL	$

Applicant called: Date _____ By _____

Permit No. _____ Date _____

P.S.

Date recd. _____ Date to Bldg. _____ OK for permit ✓ T.I. By ✓

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 12-2-95 Signature of owner or agent receiving copy of this sheet Gary J Chapman

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

TBW: 1-W

BUILDING & SAFETY COPY

FAST TRACK

No 271-13

CITY OF RIVERSIDE, CALIFORNIA
APPLICATION FOR BUILDING PERMIT
INTERDEPARTMENTAL CHECK SHEET

JOB ADDRESS 3087 Twelfth St (new foundation for juice bin) DATE REC'D 8/31/95
LEGAL DESCRIPTION 211-201-003, -004, -026
OWNER Helen Cardey — CONTRACTOR Ed Hunt
ADDRESS 3075 Tenth St — ADDRESS 6911 Magnolia Av
CITY Riverside ZIP 92501 — CITY Riverside ZIP 92506
PHONE 909 686-0987 — PHONE 909 369-6069

Adjacent street paved Yes ___ No ___ — Grading: more than footings/foundations Yes ___ No ___
Curb/gutter exist Yes ___ No ___ — less than 50 cu. yd. fill Yes ___ No ___
Sidewalk exists Yes ___ No ___ — less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ✓ offsite Yes ___ No ✓
Approved: as submitted ___ as noted ✓
Date rec'd. ___ Date to Bldg. ___ OK for Permit 9-5-95 By B. Jerg/[illegible]

PLANNING

RDP — School buy-in pd. [illegible] Park buy-in comp. —
Case No. VC-007-945 RZ-007-945 ROYAL CATMAN Pkg. req'd. ___
SP-004-945 GP-004-890 JUICE BIN
M-2 DR- (FOUNDATION ONLY)
Date rec'd ___ Date to P.W. ___ OK ~~for Permit~~ 10/10/95 By D. [illegible]

PUBLIC UTILITIES

WATER

*Plbg. plan reqd. Yes ___ No ___ appvd. Yes ___ No ___
A/C plan reqd. Yes ___ No ___ appvd. Yes ___ No ___
Backflow device required Yes ___ No ___
Frontage charge 206.50' @ $43.00 = $8,879.50
Acreage charge .39 Acre@$360/Ac.= $ 140.40
Service & meter charge 1" S-3/4" M = $1,010.00
Back up charge 3/4" Meter = $2,110.00
APN: 211-201-031
CUSTOMER PROTESTING WATER FEES - MATTER TO BE BROUGHT BEFORE

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.

Date rec'd ___ Date to Power ___ Date rec'd ___ Date to Bldg ___
OK for Permit 10-19-95 By Deri Waldschmidt OK for Permit 9-11-95 By D. Robinson/[illegible]
SEE LTR ATTACHED - HERETO MADE A PART OF THIS PERMIT

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case ___
Improvements covered under ___ Plan preparation fee $ ___

Improvements required:

Plans	Yes ___	No ___	Sewer/storm drain easement on property	Yes ___	No ___
Curbs and gutter	Yes ___	No ___	Sanitary sewer available	Yes ___	No ___
Paving	Yes ___	No ___	required	Yes ___	No ___
Sidewalk	Yes ___	No ___	Septic tank approved	Yes ___	No ___
Driveway approach	Yes ___	No ___	Percolation test appvd/waived	Yes ___	No ___
Other ___			Industrial waste review by [illegible] 10/12/95		
Improvement bond posted	Yes ___	No ___	Right-of-way deed required	Yes ___	No ___
Amount of bond $ ___			signed	Yes ___	No ___
Grading permit required	Yes ___	No ___	Compaction report received	Yes ___	No ___
issued	Yes ___	No ___	Civil Engineer's report rec'd	Yes ___	No ___

Date rec'd ___ Date to Water ___ OK for Permit 10/16/95 By [illegible]

BUILDING

Valuation $ ___ Plan check fee $ 38.50 Rct. No. 95-2682 pd
Permit Fee Basis $ ___
Site area ___ Use Zone ___
Floor area ___ Type Const. ___
Roof area ___ Occupancy ___
No. stories ___ New Bldg. ___
No. units ___ Addition ___
Park. reqd. ___ Alteration ___
Load. reqd. ___

Add. Plan Check	$ ___
Bldg. Permit	$ ___
Storm drain	$ ___
Acreage fee	$ ___
Swr. Con. fee	$ ___
U.B. fee	$ ___
St. tree fee	$ ___
St. light fee	$ ___
Park fee	$ ___
Water B.U. 10/19 @	$ ~~2,110.00~~ UNDER PROTEST REVIEW BY WTR COM.
Plbg. permit	$ ___
Elec. permit	$ ___
Htg. permit	$ ___
Pk buy-in fee	$ ___
520-xx-375000FF/S&M/Elev. 10/19 @	$ ~~10,029.90~~ UNDER PROTEST REVIEW BY WTR COM.
	$ ___
TOTAL	$ ___

* Pressure Regulator Required

WATER COMMITTEE ON 11/15/95 - PERMIT TO BE RELEASED AT THIS TIME BUT WATER FEES TO BE PAID BY APPLICANT DEPENDING ON WATER COMMITTEE ACTION.

Applicant called: Date ___ By ___

Permit No. ___ Date ___

P.S.

Date recd. ___ Date to Bldg. ___ OK for permit X By X

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 10/19/95 Signature of owner or agent receiving copy of this sheet [signature]

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

BUILDING & SAFETY COPY

FAST TRACK
ELECTRIC ONLY

No 271-13

CITY OF RIVERSIDE, CALIFORNIA
APPLICATION FOR BUILDING PERMIT
INTERDEPARTMENTAL CHECK SHEET

JOB 3087 TWELFTH ST
ADDRESS ~~3075 Tenth St~~ (Tenant Imp - electric only)
DATE REC'D 8/18/95
LEGAL DESCRIPTION 211-201-003, -004, -026
OWNER Helen Cardey
ADDRESS 3075 Tenth St
CITY Riverside ZIP 92501
PHONE 909 686-0987

~~CONTRACTOR~~ Doug Shackelton (applicant)
ADDRESS 1777 Atlanta Av
CITY Riverside ZIP 92507
PHONE 909 686-0844 extension 105

Adjacent street paved Yes ___ No ___
Curb/gutter exist Yes ___ No ___
Sidewalk exists Yes ___ No ___

Grading: more than footings/foundations Yes ___ No ___
less than 50 cu. yd. fill Yes ___ No ___
less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ___ offsite Yes ___ No ___
Approved: as submitted ✓ as noted ___
Date rec'd. _____ Date to Bldg. _____ OK for Permit 8/29/95 By BOB JERZ/REXT

PLANNING

RDP ___ School buy-in pd. ___ Park buy-in comp. ___
Case No CP-004-890 RZ-007-945 ROYAL Pkg. req'd. ?
SP-004-945 VC-007-945 CITRUS
M-2 ZONE ELECTRICAL ONLY
Date rec'd _____ Date to P.W. _____ OK for Permit 8/23/95 By [illegible]

PUBLIC UTILITIES

WATER

Plbg. plan reqd. Yes ___ No ___ appvd. Yes ___ No ___
A/C plan reqd. Yes ___ No ___ appvd. Yes ___ No ___
Backflow device required Yes ___ No ___
Frontage charge _____
Acreage charge _____
Service & meter charge _____
Back up charge _____
Date rec'd _____ Date to Power _____
OK for Permit _____ By _____

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.

NO REQUIREMENTS
Date rec'd _____ Date to Bldg _____
OK for Permit 8/23/95 By D. ROBINSON

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case _____
Improvements covered under _____ Plan preparation fee $ _____

Improvements required:

Plans	Yes ___	No ___	Sewer/storm drain easement on property	Yes ___	No ___
Curbs and gutter	Yes ___	No ___	Sanitary sewer available	Yes ___	No ___
Paving	Yes ___	No ___	required	Yes ___	No ___
Sidewalk	Yes ___	No ___	Septic tank approved	Yes ___	No ___
Driveway approach	Yes ___	No ___	Percolation test appvd/waived	Yes ___	No ___
Other _____			Industrial waste review by	X	X
Improvement bond posted	Yes ___	No ___	Right-of-way deed required	Yes ___	No ___
Amount of bond $ _____			signed	Yes ___	No ___
Grading permit required	Yes ___	No ___	Compaction report received	Yes ___	No ___
issued	Yes ___	No ___	Civil Engineer's report rec'd	Yes ___	No ___

Date rec'd _____ Date to Water _____ OK for Permit X By X

BUILDING

Valuation $ _____ Plan check fee $ 818.95 Rct. No. 95-2527 pd
Permit Fee Basis $ _____
Site area _____ Use Zone _____
Floor area _____ Type Const. _____
Roof area _____ Occupancy _____
No. stories _____ New Bldg. _____
No. units _____ Addition _____
Park. reqd. _____ Alteration _____
Load. reqd. _____

Add. Plan Check	$
Bldg. Permit	$
Storm drain	$
Acreage fee	$
Swr. Con. fee	$
U.B. fee	$
St. tree fee	$
St. light fee	$
Park fee	$
Water B.U.	$
Plbg. permit	$
Elec. permit	$
Htg. permit	$
Pk buy-in fee	$
	$
	$
TOTAL	$

Applicant called: Date _____ By _____
Permit No. 95-2527 Date 8/31/95

P.S.

Date recd. _____ Date to Bldg. _____ OK for permit X By X

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 8/31/95 Signature of owner or agent receiving copy of this sheet [illegible]

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

BUILDING & SAFETY COPY

No 271-13

CITY OF RIVERSIDE, CALIFORNIA
APPLICATION FOR BUILDING PERMIT
INTERDEPARTMENTAL CHECK SHEET

JOB
ADDRESS 3087 Twelfth St (tenant imp - steel frame shade
LEGAL DESCRIPTION 211-201-003, -004, -026 screen)
OWNER Royal Citrus
ADDRESS 3075 Tenth St
CITY Riverside ZIP 92507
PHONE 909 686-8998

DATE
REC'D 8/3/95
~~CONTRACTOR~~ Ed Hunt
ADDRESS 6911 Magnolia Av
CITY Riverside ZIP 92506
PHONE 909 369-6069

Adjacent street paved Yes ___ No ___
Curb/gutter exist Yes ___ No ___
Sidewalk exists Yes ___ No ___

Grading: more than footings/foundations Yes ___ No ___
less than 50 cu. yd. fill Yes ___ No ___
less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ✓ offsite Yes ___ No ✓
Approved: as submitted ___ as noted ✓
Date rec'd. _____ Date to Bldg. _____ OK for Permit 8-8-95 By B. Seiz/dd

PLANNING

RDP — School buy-in pd. — Park buy-in comp. —
Case No. VC-007-945 RE-007-945 ROYAL CITRUS Pkg. req'd. _____
SP-004-945 SP-004-890 (FMC)
M-2 ZONE OK for BLDG 'B' TI ONLY - 9/13/95
Date rec'd _____ Date to P.W. _____ OK for Permit 10/11/95 By R Hartman -

PUBLIC UTILITIES

WATER

*Plbg. plan reqd. Yes ___ No x appvd. Yes ___ No ___
A/C plan reqd. Yes ___ No x appvd. Yes ___ No ___
Backflow device required Yes ___ No ___
Frontage charge ---------
Acreage charge ---------
Service & meter charge Ex. 2"S - 2"M
Back up charge To Be Paid if Larger Service & Meter Req'd by Applicant. Also, charge if any Changes to Ex. Service & Meter by Applicant**
Date rec'd M#111D Date to Power
OK for Permit 8-18-95 By Joni Waldschmidt
Acc't #3304-05-7 (Service Address: 3091 12th Street)

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.
NO REQUIREMENTS
Date rec'd _____ Date to Bldg _____
OK for Permit 8/23/95 By D. ROBINSON /REH

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case _____
Improvements covered under _____ Plan preparation fee $ _____

Improvements required:

Plans	Yes ___ No ___	Sewer/storm drain easement on property	Yes ___ No ___
Curbs and gutter	Yes ___ No ___	Sanitary sewer available	Yes ___ No ___
Paving	Yes ___ No ___	required	Yes ___ No ___
Sidewalk	Yes ___ No ___	Septic tank approved	Yes ___ No ___
Driveway approach	Yes ___ No ___	Percolation test appvd/waived	Yes ___ No ___
Other _____		Industrial waste review by C. Stephens/dd	
Improvement bond posted	Yes ___ No ___	Right-of-way deed required	Yes ___ No ___
Amount of bond $ _____		signed	Yes ___ No ___
Grading permit required	Yes ___ No ___	Compaction report received	Yes ___ No ___
issued	Yes ___ No ___	Civil Engineer's report rec'd	Yes ___ No ___

Date rec'd _____ Date to Water _____ OK for Permit X By X

BUILDING

Valuation $ _____ Plan check fee $ 1088.45 Rct. No. 95-2339 pd
Permit Fee Basis $ _____
Site area _____ Use Zone _____
Floor area _____ Type Const. _____
Roof area _____ Occupancy _____
No. stories _____ New Bldg. _____
No. units _____ Addition _____
Park. reqd. _____ Alteration _____
Load. reqd. _____

Add. Plan Check	$
Bldg. Permit	$
Storm drain	$
Acreage fee	$
Swr. Con. fee	$
U.B. fee	$
St. tree fee	$
St. light fee	$
Park fee	$
Water B.U.	$ TO BE PAID IF LARGER SERVICE + METER REQ'D
Plbg. permit	$
Elec. permit	$
Htg. permit	$
Pk buy-in fee	$
	$
	$
TOTAL	$

*PRESSURE REGULATOR REQUIRED
Hay Mat SEE PC# 95-2201

**Ex. 8"FS & 2"Dom. Con. May need to be relocated in future to accommodate RCTC Riv. Stn. Expans. All Costs to be borne by RCTC.

Applicant called: Date _____ By _____

Permit No. 95-2339 Date 9/14/95

P.S.

Date recd. _____ Date to Bldg. _____ OK for permit _____ By X X

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 9/14/95 Signature of owner or agent receiving copy of this sheet Gary J Chapman

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

BUILDING & SAFETY COPY

1-F

No 271-13

FAST TRACK

~~CITY OF RIVERSIDE, CALIFORNIA~~

APPLICATION FOR BUILDING PERMIT

INTERDEPARTMENTAL CHECK SHEET

JOB ADDRESS 3087 Twelfth St (restroom renovation - bldg c) DATE REC'D 8/31/95

LEGAL DESCRIPTION 211-201-003, -004, -026

OWNER Helen Cardey

ADDRESS 3075 Tenth St

CITY Riverside ZIP 92501

PHONE 909 686-0987

~~CONTRACTOR~~ Ed Hunt

ADDRESS 6911 Magnolia Av

CITY Riverside ZIP 92506

PHONE 909 369-6069

Adjacent street paved Yes ___ No ___

Curb/gutter exist Yes ___ No ___

Sidewalk exists Yes ___ No ___

Grading: more than footings/foundations Yes ___ No ___

less than 50 cu. yd. fill Yes ___ No ___

less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ✓ offsite Yes ___ No ✓

Approved: as submitted ___ as noted PCR

Date rec'd. _____ Date to Bldg. _____ OK for Permit 9/5/95 By BOB JEEZ / REH

PLANNING

RDP — School buy-in pd. — Park buy-in comp. —

Case No. VC-007-945 RE-007-945 NOVAL CATALIC Pkg. req'd.

SP-004-945 CP-004-800 BLDG "C"

M-2 ZONE DN- RESTROOMS

Date rec'd _____ Date to P.W. _____ OK for Permit 9/9/95 By [illegible]

PUBLIC UTILITIES

*Plbg. plan reqd. Yes ___ No x appvd. Yes ___ No ___

A/C plan reqd. Yes ___ No x appvd. Yes ___ No ___

Backflow device required Yes ___ No ___

Frontage charge ---------

Acreage charge ---------

Service & meter charge Ex. 2"S - 2"M

Back up charge To Be Paid if Larger Service & Meter Req'd by Applicant. Also, Charge if any Changes to Service & Meter by Applicant**

Date rec'd M#111D Date to Power

OK for Permit 9-13-95 By Joni Waldschmidt

Acc't #3304-05-7 (Service Address: 3091 12th Street)

WATER

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.

Date rec'd _____ Date to Bldg

OK for Permit 9-11-95 By D. Robinson / RD

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case

Improvements covered under _____ Plan preparation fee $

Improvements required:

Plans	Yes	No	Sewer/storm drain easement on property	Yes	No
Curbs and gutter	Yes	No	Sanitary sewer available	Yes	No
Paving	Yes	No	required	Yes	No
Sidewalk	Yes	No	Septic tank approved	Yes	No
Driveway approach	Yes	No	Percolation test appvd/waived	Yes	No
Other			Industrial waste review by C. Stephens		
Improvement bond posted	Yes	No	Right-of-way deed required	Yes	No
Amount of bond $			signed	Yes	No
Grading permit required	Yes	No	Compaction report received	Yes	No
issued	Yes	No	Civil Engineer's report rec'd	Yes	No

T.I.

Date rec'd _____ Date to Water _____ OK for Permit ✓ By ✓

BUILDING

Valuation $ _____ Plan check fee $ 277.20 Rct. No. 95-2681 pd

Permit Fee Basis $ _____

Site area _____ Use Zone _____

Floor area _____ Type Const. _____

Roof area _____ Occupancy _____

No. stories _____ New Bldg. _____

No. units _____ Addition _____

Park. reqd. _____ Alteration _____

Load. reqd. _____

*PRESSURE REGULATOR REQUIRED

**Ex. *"FS & 2"Dom. Con. May need to be relocated in future to accommodate RCTC Riv. ~~Sin.~~ Expans. All Costs to be borne by RCTC.

Add. Plan Check	$
Bldg. Permit	$
Storm drain	$
Acreage fee	$
Swr. Con. fee	$
U.B. fee	$
St. tree fee	$
St. light fee	$
Park fee	$
Water B.U.	$ TO BE PAID IF LARGER SERVICE + METER REQ'D
Plbg. permit	$
Elec. permit	$
Htg. permit	$
Pk buy-in fee	$
	$
	$
TOTAL	$

Applicant called: Date _____ By _____

Permit No. _____ Date _____

P.S.

Date recd. _____ Date to Bldg. _____ OK for permit ✓ By ✓

T.I.

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 10/13/95 Signature of owner or agent receiving copy of this sheet Gary F. Chapman

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

BUILDING & SAFETY COPY

FAST TRACK

No 271-13

CITY OF RIVERSIDE, CALIFORNIA
APPLICATION FOR BUILDING PERMIT
INTERDEPARTMENTAL CHECK SHEET

JOB ADDRESS ~~3075 10th St.~~ 3087 TWELFTH ST.
DATE REC'D 7-24-95
LEGAL DESCRIPTION 211-201-003, -004, -026
OWNER Royal Citrus
CONTRACTOR Ed Hunt
ADDRESS 3075 10th St.
ADDRESS ~~3075 10th St.~~ 6911 MAGNOLIA AV
CITY Riverside
ZIP 92507
CITY Riverside CA
ZIP 92506
PHONE (909) 686-8998
PHONE (909) 369-6069

Adjacent street paved Yes ___ No ___
Curb/gutter exist Yes ___ No ___
Sidewalk exists Yes ___ No ___

Grading: more than footings/foundations Yes ___ No ___
less than 50 cu. yd. fill Yes ___ No ___
less than 2' cut/1' fill Yes ___ No ___

FIRE

Hydrants required: onsite Yes ___ No ✓ offsite Yes ___ No ✓
Approved: as submitted ___ as noted PCR
Date rec'd. _____ Date to Bldg. _____ OK for Permit 8/29/95 By BOB SEEZ / KEH

PLANNING

RDP — School buy-in pd. — Park buy-in comp. —
Case No. YC-007-945 RZ-007-945 ROYAL CITRUS Pkg. req'd.
SP-004-945 SP-004-890 DR-9-956 (FMC)
M-2 ZONE
Date rec'd _____ Date to P.W. _____ OK for Permit 9/13/95 By [illegible]

PUBLIC UTILITIES

Plbg. plan reqd. Yes ___ No x appvd. Yes ___ No ___
A/C plan reqd. Yes ___ No x appvd. Yes ___ No ___
Backflow device required Yes ___ No ___
Frontage charge -------
Acreage charge -------
Service & meter charge Ex. 2"S - 2"M
Back up charge To Be Paid if Larger service & meter req'd by applicant. Also, charge if any Changes to service & Meter by Applicant.**
Date rec'd 111D Date to Power
OK for Permit 8-18-95 By [illegible]

WATER

Acc't #3304-05-7 (Service Address: 3091 12th Street)

ELECTRIC

Submit one copy of the plot plan and electrical load information to the PUBLIC UTILITIES DEPARTMENT, Power Service Section, so electrical service requirements and fees can be determined. Service and fees will be in accordance with the Department's Electric Rules & Regulations.

Date rec'd _____ Date to Bldg _____
OK for Permit 7-27-95 By D. Robinson

PUBLIC WORKS

Driveways: ___X___, ___X___, ___X___ per Std. No. 302 Case
Improvements covered under _____ Plan preparation fee $

Improvements required:

Plans	Yes	No	Sewer/storm drain easement on property	Yes	No
Curbs and gutter	Yes	No	Sanitary sewer available	Yes	No
Paving	Yes	No	required	Yes	No
Sidewalk	Yes	No	Septic tank approved	Yes	No
Driveway approach	Yes	No	Percolation test appvd/waived	Yes	No
Other			Industrial waste review by C. Stephens		
Improvement bond posted	Yes	No	Right-of-way deed required	Yes	No
Amount of bond $			signed	Yes	No
Grading permit required	Yes	No	Compaction report received	Yes	No
issued	Yes	No	Civil Engineer's report rec'd	Yes	No

Date rec'd _____ Date to Water _____ OK for Permit 8-1-95 By Pat Cimes

BUILDING

Valuation $ _____ Plan check fee $ 703.45 Rct. No. 95-2201
Permit Fee Basis $

Site area	Use Zone	Add. Plan Check	$
Floor area	Type Const.	Bldg. Permit	$
Roof area	Occupancy	Storm drain	$
No. stories	New Bldg.	Acreage fee	$
No. units	Addition	Swr. Con. fee	$
Park. reqd.	Alteration	U.B. fee	$
Load. reqd.		St. tree fee	$
		St. light fee	$
		Park fee	$
		Water B.U.	$ TO BE PAID IF LARGER SERVICE + METER REQ'D
		Plbg. permit	$
		Elec. permit	$
		Htg. permit	$
		Pk buy-in fee	$
			$
			$
		TOTAL	$

*PRESSURE REGULATOR REQUIRED
**Ex. 8"FS & 2"Dom. Con. May need to be relocated in future to accommodate RCTC Riv. Stn. Expans. All costs to be borne by RCTC.

Applicant called: Date _____ By _____
Permit No. 95-2201 Date 9/14/95

P.S.

Date recd. _____ Date to Bldg. _____ OK for permit 9/8/95 By R. Heitman
NOT A CITY CONTRACT PICK UP.

PERMITTEE IS RESPONSIBLE FOR ANY NECESSARY RELOCATION, REPLACEMENT AND/OR REPAIR OF ANY UTILITIES OR OTHER ITEMS NOT SHOWN ON THE PLOT PLAN.

Date 9/14/95 Signature of owner or agent receiving copy of this sheet [illegible]

PLEASE READ THE REVERSE SIDE OF YOUR COPY.

BIN: 1-F

BUILDING & SAFETY COPY

CITY OF RIVERSIDE PLANNING DEPARTMENT

HAZMAT DISCLOSURE STATEMENT

PLAN CHECK #: 95-2201

PROJECT ADDRESS: 3087 TWELFTH ST.

BUSINESS NAME/USE: "ROYAL CITRUS" BUILDING REHAB

(✓) YES ( ) NO Do you manufacture, store, or use hazardous materials at this facility?

(✓) YES ( ) NO Will the applicant or future occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amounts specified on the list of acutely hazardous substances?
(SEE LIST OF ACUTELY HAZARDOUS SUBSTANCES)

( ) YES (✓) NO Will the proposed building or modified facility be within 1000 feet of the outer boundary of a school, hospital, or long-term health care facility?

(✓) YES ( ) NO Will the intended use of the building by the applicant or future building occupant require a permit for construction or modification from the South Coast Air Quality Management District?
(SEE PERMITTING CHECKLIST FOR GUIDELINES)

I have read the Hazardous Materials Disclosure Requirements and the SCAQMD Permitting Checklist. I understand the requirements under California Health and Safety Code Section 25505, 25533, 25534, 42303, and the requirements of the City of Riverside Fire Department regarding hazardous materials.

Lew Cardey
SIGNATURE

LEW CARDEY
PRINT NAME

8-16-95
DATE

(✓) OWNER
( ) TENANT
( ) ARCHITECT
( ) ENGINEER
( ) AUTHORIZED AGENT w/letter on file

RYMAX
ELECTRIC

November 7, 1995

City of Riverside
Planning Department
Building & Safety Division
3900 Main Street
Riverside, CA 92522

Attention" Robert Watson

This is to certify that Rymax Electric tested the existing 350 MCM copper wire, concrete-encased electrode at new 2500 AMP service, at Royal Citrus 3087 12th Street Riverside, CA. OHMS to ground 3.5 OHMS 10-19-95, using AEMC model #3610 groundometor.

This is to certify that the new 2500 AMP main service has been torked to manufactures specifications.

This is to certify that the new 2500 AMP ground fault main brecker has been tested and is working properly.

Sincerely,

John Hewitt

John Hewitt

1297-A East 9th Street • Upland, CA 91786 • (714) 985-7250 • Lic. # 557288

3075 TENTH STREET • P.O. BOX 288 • RIVERSIDE, CALIFORNIA 92502 GROWERS • PACKERS OF CITRUS FRUITS
TELEPHONE (909) 686-0987 • FAX (909) 686-5736

ROYAL CITRUS COMPANY

March 28, 1997

Dan Chude, Building Official
City of Riverside
3900 Main St.
Riverside, Ca 92522

RE: Request to Convert Permits From Contractor to Owner/Builder

Dear Dan:

It is respectfully requested that the permits listed below be converted to owner/builder in the name of the Royal Citrus Company, 3075 Tenth Street, Riverside, Ca 92507. As part of this, we are requesting the deletion of Chapman Construction as the contracting firm on all of these permits.

The permit numbers are: 95-2339, 95-2681, 95-2682, 95-2885, 95-3377, 95-3532, 95-3842, 96-0363, 96-1171, 96-1919.

Thank you for your cooperation.

Very truly yours,

Lew Cardey

Lew Cardey
President

LC/kml

387 Twelfth St.

PERMIT NUMBER

95-2527

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Address: 3087 TWELFTH ST
Location:

Insp Area: D

Type: ELEC
Category: NRES
Class Code:

Status: APPROVED
Submittal: 08/18/1995
Issued: 08/31/1995

Parcel #: 211-191-027
Cens Tr:
Use Code:

Zoning: M-2

Occupancy Group: B-2

Owner: CARDEY HELEN
Applicant: CHAPMAN CONSTRUCTION
Address: CHAPMAN GARY F
24051 EDWARDS ST
Contractor: CHAPMAN CONSTRUCTION
Bus Lic: 049841

Phone: 909 686-0987
Phone: 909 657-5190

Phone: 909 657-5190
License: B01608944

****

Permit Description:
TENANT IMPROVEMENT - ELECTRIC ONL
PC CHECK #30083
PMT CHECK #30312

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 125,000.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	124.45
Plan Check	744.50	Acreage fee	
Building		Storm Drain	
Microfilm	20.00	Park Fee	
Plumbing		Regional Park	
Mechanical		Other Dept. Fees	
Electrical	500.00	Extra Fees (Misc)	.00
SMIP			
		TOTAL FEES	1,413.95

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

6108/240 31Aug95 123/8 $595.00 0000952527 Buildn

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY

IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: PC

271-033
White—Building Div. Yellow—Customer Pink—Business Tax Gold—Finance Card—Job Site

24398

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval	10-24-98	

UTILITY CLEARANCE ☐ GAS ☒ ELEC ☒ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☒ 4 WIRE 2500 AMPS

NOTES:

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B Lic. No. 608944 Date 8 31 95

Contractor Signature Gary F Chapman

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date ___/___/___ Owner Signature _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund

Policy Number 1044233-94

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 8/31/95 Applicant: Gary F Chapman

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Gary F Chapman — Signature of Applicant

8/31/95 — Date

PERMIT NUMBER
97-0247

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Address: 3087 TWELFTH ST
Location:

Insp. Area: D

Type: BLDGCOM
Category: ACOM
Class Code: 437

Status: APPROVED
Submittal: 01/28/1997
Issued: 03/03/1997

Parcel #: 211-201-003
Cens Tr:
Use Code:

Zoning:
Occupancy Group: B/F-1

Owner: MLM PROPERTIES
Applicant: SIMPSON BRENDA
Address: 4195 CHESTNUT ST
RIVERSIDE CA 92501
Contractor: KEENEY & SON INC
Bus Lic: 061961

Phone: 909 686-8998
Phone: 909 684-4011
Phone: 909 825-4310
License: B01271351

****

Permit Description:
T I - ROYAL CITRUS CO (TWELFTH ST BUILDING)
PC CHECK #008726
REMOVE & REALIGN ENTIRE WEST WALL OF EXISTING
BUILDING 13'-0" TO THE EAST pgh
PERMIT CHECK #08777

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS
Front: .0 Back: .0
Left: .0 Right: .0

VALUATION: 200,000.00

Occupancy	Type	Factor	Sq. Feet	Valuation
		Subtotal:		.00
		Multiplier 1.00:		.00
		Addl Fixed Amount:		200,000.00
		Total Valuation:		200,000.00

Table Date: 06/07/1991

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	197.90
Plan Check	989.50	Acreage Fee	.00
Building	989.50	Storm Drain	.00
Microfilm	20.00	Park Fee	.00
Plumbing	.00	Regional Park	.00
Mechanical	.00	Other Dept. Fees	.00
Electrical	.00	Extra Fees (Misc)	.00
SMIP	42.00		
		TOTAL FEES	2,263.90

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY:

271-033
White—Building Div. Pink—Business Tax Card—Job Site

31028

Structural Inspection		
Type	Date	Sign
Foundation, Location	3-6-97	
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing	6-6-97	
Insulation		
Drywall	6-16-97	
Firewall		
Exterior Lath	5-27-97	
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval	9-16-97	

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test		
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts		
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring		
Other		
Final Approval		

UTILITY CLEARANCE ☐ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: 5/9/97 NR / 6-5-97 / no plans

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-1 Lic. No. 271351 Date 3-3-97

Contractor Signature

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. ____ B. & P.C. for this reason ____

Date / / Owner Signature ____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☑ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Golden Eagle 1-1-98

Policy Number NWC 275476-04

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 3-3-97 Applicant:

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name ____

Lenders' Address ____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant 3-3-97 Date

CITY OF RIVERSIDE

AUTHORIZED AGENT LETTER

Property Owner's Name: Max L. Cardey

Property Address: 3087 12th Street

I, Property Owner of the above address, do authorize the undersigned individual, to pull permits from the City of Riverside on my behalf. If this information changes, I will contact your office in writing.

IMPORTANT NOTICE TO OWNER-BUILDERS

The California Health & Safety Code Sec. 19830, states that:

"For you protection you should be aware that as "owner-builder" you are the responsible party of record on such a permit. Building permits are not required to be signed by property owners unless they are personally performing their own work. If your work is being performed by someone other than yourself, you may protect yourself from possible liability if that person applies for the proper permit in his or her name.

Contractors are required by law to be licensed and bonded by the State of California and to have a Business License from the city or county. They are also required by law to put their license number on all permits for which they apply.

If you plan to do your own work, with the exception of various trades that you plan to subcontract, you should be aware of the following information for your benefit and protection:

If you employ or otherwise engage any persons other than your immediate family, and the work (including materials and other costs) is $200 or more for the entire project, and such persons are not licensed as contractors or subcontractors, then you may be an employer.

If you are an employer, you must register with the state and federal government as an employer and you are subject to several obligations including state and federal income tax withholding, federal social security taxes, workers' compensation insurance, disability insurance costs, and unemployment compensation contributions.

There may be financial risks for you if you do not carry out these obligations, and these risks are especially serious with respect to workers' compensation insurance.

For more specific information about your obligations under federal law, contact the Internal Revenue Service (and, if you wish, the U.S. Small Business Administration). For more specific information about your obligations under state law, contact the Department of Benefit Payments and the Division of Industrial Accidents.

If the structure is intended for sale, property owners who are not licensed contractors are allowed to perform their work personally or through their own employees, without a licensed contractor or subcontractor, only under limited conditions.

A frequent practice of unlicensed persons professing to be contractors is to secure an "owner-builder" building permit, erroneously implying that the property owner is providing his or her own labor and material personally. Building permits are not required to be signed by property owners unless they are performing their own work personally.

Information about licensed contractors may be obtained by contracting the Contractors' State License Board in your community or at 1020 N Street, Sacramento, CA 95814".

Edward J. Hunt
Print Name of Authorized Agent

Edward J. Hunt
Signature of Authorized Agent

By my signature, I acknowledge that I have read and understand the above information.

Max L. Cardey
Signature of Property Owner

6-5-96
Date

AFFIX NOTARY SEAL HERE:

CITY OF RIVERSIDE

AUTHORIZED AGENT LETTER

Property Owner's Name: [illegible]

Property Address: 3087 13th Street

I, Property Owner of the above address, do authorize the undersigned individual, to pull permits from the City of Riverside on my behalf. If this information changes, I will contact your office in writing.

IMPORTANT NOTICE TO OWNER-BUILDERS

The California Health & Safety Code Sec. 19830, states that:

"For you protection you should be aware that as "owner-builder" you are the responsible party of record on such a permit. Building permits are not required to be signed by property owners unless they are personally performing their own work. If your work is being performed by someone other than yourself, you may protect yourself from possible liability if that person applies for the proper permit is his or her name.

Contractors are required by law to be licensed and bonded by the State of California and to have a Business License from the city or county. They are also required by law to put their license number on all permits for which they apply.

If you plan to do your own work, with the exception of various trades that you plan to subcontract, you should be aware of the following information for your benefit and protection:

If you employ or otherwise engage any persons other than your immediate family, and the work (including materials and other costs) is $700 or more for the entire project, and such persons are not licensed as contractors or subcontractors, then you may be an employer.

If you are an employer, you must register with the state and federal government as an employer and you are subject to several obligations including state and federal income tax withholding, federal social security taxes, workers' compensation insurance, disability insurance costs, and unemployment compensation contributions.

There may be financial risks for you if you do not carry out these obligations, and these risks are especially serious with respect to workers' compensation insurance.

For more specific information about your obligations under federal law, contact the Internal Revenue Service (and, if you wish, the U.S. Small Business Administration). For more specific information about your obligations under state law, contact the Department of Benefit Payments and the Division of Industrial Accidents.

If the structure is intended for sale, property owners who are not licensed contractors are allowed to perform their work personally or through their own employees, without a licensed contractor or subcontractor, only under limited conditions.

A frequent practice of unlicensed persons professing to be contractors is to secure an "owner-builder" building permit, erroneously implying that the property owner is providing his or her own labor and material personally. Building permits are not required to be signed by property owners unless they are performing their own work personally.

Information about licensed contractors may be obtained by contracting the Contractors' State License Board in your community or at 1020 N Street, Sacramento, CA 95814".

Print Name of Authorized Agent

Signature of Authorized Agent

By my signature, I acknowledge that I have read and understand the above information.

Signature of Property Owner

Date 6-5-96

AFFIX NOTARY SEAL HERE:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

No. 5907

State of CALIFORNIA

County of RIVERSIDE

On June 5, 1996 (DATE) before me, Joseph W. Wiley, Notary Public, (NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC")

personally appeared Max L. CARDEY III (NAME(S) OF SIGNER(S)),

☑ personally known to me - **OR** - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

NNA1 JOSEPH W. WILEY
COMM. # 1037407
Notary Public — California
RIVERSIDE COUNTY
My Comm. Expires AUG 28, 1998 NNA1

WITNESS my hand and official seal.

Joseph W. Wiley
SIGNATURE OF NOTARY

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

☑ INDIVIDUAL
☐ CORPORATE OFFICER

TITLE(S)

☐ PARTNER(S) ☐ LIMITED ☐ GENERAL

☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER:

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

DESCRIPTION OF ATTACHED DOCUMENT

Authorized Agent Letter
TITLE OR TYPE OF DOCUMENT

1
NUMBER OF PAGES

June 5, 1996
DATE OF DOCUMENT

SIGNER(S) OTHER THAN NAMED ABOVE

©1993 NATIONAL NOTARY ASSOCIATION • 8236 Remmet Ave., P.O. Box 7184 • Canoga Park, CA 91309-7184

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Riverside

On June 5, 1996 before me, Joseph W. Waley, Notary Public
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Alex L. Garvey III
NAME(S) OF SIGNER(S)

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

JOSEPH W. WALEY
COMM. # 1107407
Notary Public — California
RIVERSIDE COUNTY
My Comm. Expires AUG 23, 1998

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

☒ INDIVIDUAL
☐ CORPORATE OFFICER

TITLE(S)

☐ PARTNER(S) ☐ LIMITED ☐ GENERAL

☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

DESCRIPTION OF ATTACHED DOCUMENT

Authorized Agent Letter
TITLE OR TYPE OF DOCUMENT

1
NUMBER OF PAGES

June 5, 1996
DATE OF DOCUMENT

SIGNER(S) OTHER THAN NAMED ABOVE

ORIGINAL

APPLICATION FOR

2 BUILDING ALTERATIONS 2

Department of Building, City of Riverside, California

LOCATION OF JOB

3009 - Twelfth St

NUMBER STREET

Permit No. 6481 Final Insp. 12-22-47

LEGAL DESCRIPTION — (DO NOT FILL IN)

Lot No. ..... Map No. .....

Block ..... Tract .....

Building used for Res.

Size of Lot	Discribe Alterations	Zone	Fire Dist.
50 X 150	New foundation under rear 2 rooms enlarge kitchen	E	#3

Group	Type	Rooms	Sq. Ft.
I	V	3	16X40

L. S. Prop. Line Set Back		Front Prop. Line Set Back		R. S. Prop. Line Set Back	
House	Garage	House	Garage	House	Garage
5'				5	

Owner Name S. Lopez

Address Same

Arch Name .....

Address .....

Contractor Name S. Lopez

Address same

License No.: City ..... State .....

Special Permit No. .....

Footing Size 8" X 16" Depth in Ground 12"

Pier Size 16 X 16" Depth in Ground 8"

Access Hole Metal Frame Within 5 of Corner, 24 x 18 inches .....

7 x 7 Metal Vent Over Range Continuous Through Roof ✓

Exterior Walls 8" Conc. blocks

Size of Studs 2X4-16" OC

Joists 1st Floor 4" Conc. floor

Joists 2nd Floor .....

Rafters 2X4-24" OC

Material of Roof Comp

Chimney or Fireplace .....

Flue Lining .....

Depth Footing in Ground .....

Ventilation 2 sq. ft. for each 25 li. ft. First vent within 5 ft. of corner

Date Permit Granted 7/3/47

Total Value 2000.00 Fee 6.00

Including labor, material, wiring, heating, plumbing, etc.

OVER

For Office Records Only (Do Not Fill In)

Approved:

Exterior	Wire	
	Scratch	
	Brown	[illegible]
	Finish	
	Final	
Interior Plaster	Lath	7-31-47
	Scratch	
	Brown	
	Finish	
	Final	12-22-47

DATE OF INSPECTION

Excavation	[illegible]	Frame	7-[illegible]-47
Forms	[illegible]	Strong Back	
Concrete		Room Ventilation	
Foundation Vents		Range Vent	
Size of R. W. Sill		Bath Room Vent	
Bolts		Garage Vent	
Service Hole		Garage Fireproofing	
Reinforcing Steel		Shower Stall	
Roofing Tile		Water Heater Location	
Composition		Fireplace	
Shingles		Chimney Lining	
Signs		Fences	
Galv. Iron		Occupancy Cert. $	

Foundation Ventilation, 2 sq. ft. for every 25 lineal feet.

Corrections

ORIGINAL

APPLICATION FOR

BUILDING

1 Department of Building, City of Riverside, California 1

LOCATION OF JOB

3009 - 12th St

NUMBER STREET

Permit No. 17346 Final Insp. 3/22/54

LEGAL DESCRIPTION — (DO NOT FILL IN)

Lot No. ..... Map No. .....

Block ..... Tract .....

Building used for Wash Room

No. of Bldgs. Now on Lot	No. of Families	Use of Bldgs. Now on Lot

Size of Lot	Size Bldg.	Sq. Ft.	Fire Dist.
	12x16		3

No. of Rooms	Stories	Group	Type	Zone
1	1		III	D2

L.S. Prop. Line Set Back House Garage	From Prop. Line Set Back House Garage	R.S. Prop. Line Set Back House Garage
5'	75'	50'

Owner Name Sostenes Lafaz

Address .....

Arch Name .....

Address .....

Contractor Name .....

Address Owner

License No.: City ..... State .....

Special Permit No. .....

Footing Size	12x14	Depth in Ground	12
Pier Size	Slab	Depth in Ground	

Access Hole Metal Frame Within 5' of Corner, 24 x 18 inches

6 x 8 Metal Vent Over Range 36 sq. in. Continuous Through Roof

Exterior Walls 6" Wrong Min. Clg. Height 8

Size of Studs ..... Clg. Joist 16" c.c.

Joists 1st Floor Slab Rafters 24" c.c.

Joists 2nd Floor ..... Material of Roof Comp.

Chimney or Fireplace Brick Lined with Terra Cotta or Firebrick

Depth Footing in Ground 2 ft. ..... Size 6" Larger on all sides .....

Date Permit Granted 4-2-53

Total Value 500 Fee 3

Including labor, material, wiring, heating, plumbing, etc. OVER

Ventilation 2 sq. ft. for each 25 li. ft. First vent within 5 ft. of corner

For Office Records Only (Do Not Fill In)

Approved:

Exterior	Wire	Con. Blk.	
	Scratch	Wood Sdg.	
	Brown	Bond Beam	
	Finish		
	Final		
Interior Plaster	Lath	Plaster Bd.	
	Scratch		
	Brown		
	Finish		
	Final		

DATE OF INSPECTION

Excavation	Frame
Forms	Strong Back
Concrete	Room Ventilation
Foundation Vents	Range Vent
Size of R. W. Sill	Bath Room Vent
Bolts	Garage Vent
Service Hole	Garage Fireproofing
Reinforcing Steel	Shower Stall
Roofing Tile	Water Heater Location
Composition	Fireplace
Shingles	Chimney Lining
Signs	Fences
Galv. Iron	Occupancy Cert. No.

Foundation Ventilation 2 square feet for every 25 lineal feet.

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City Ordinances and State Laws regulating Building Construction.

Signature of Owner or Authorized Agent Manuel Gorin

CORRECTIONS

ORIGINAL

APPLICATION FOR

2 BUILDING ALTERATIONS 2

Department of Building, City of Riverside, California

LOCATION OF JOB

3009 12th St

NUMBER STREET

Permit No. 11117 Final Insp. 7-19-50

LEGAL DESCRIPTION—(DO NOT FILL IN)

Lot No. ..... Map No. .....

Block ..... Tract .....

Building used for Store (addition

No. of Bldgs. Now on Lot	No. of Families	Use of Bldgs. Now on Lot

Size of Lot	Describe Alterations	Zone	Fire Dist
	12'x17' Kitchen	B-2	

Group	Type	Rooms	Sq. Ft.
		1	

L. S. Prop. Line Set Back House	Garage	Front Prop. Line Set Back House	Garage	R. S. Prop. Line Set Back House	Garage

Owner Name Lopez & Ballestoes

Address same

Arch Name .....

Address .....

Contractor Name Alco Const Co by L J Austin

Address 1340 Mt Vernon Colto

License No.: City 37967 State 106748

Special Permit No. .....

Footing Size	8x16	Depth in Ground	18
Pier Size	4" Slab	Depth in Ground	

Access Hole Metal Frame Within 5 ft. of Corner, 24 x 18 inches.

6 x 8 Metal Vent Over Range 36 sq. in. Continuous Through Roof

Exterior Walls	8" Cm Blk	Min. Clg. Height	
Size of Studs	2x4-16 oc	Clg. Joist	16" o.c
Joists 1st Floor		Rafters	
Joists 2nd Floor		Material of Roof	Comp. D.C.

Chimney or Fireplace Brick Lined with Terra Cotta or Firebrick

Depth Footing in Ground 2 ft. ..... Size 6" Larger on all sides .....

Date Permit Granted 5/16/50

Total Value 1700.00 Fee 6.00

Including labor, material, wiring, heating, plumbing, etc. OVER

Ventilation 2 sq. ft. for each 25 li. ft. First vent within 5 ft. of corner

For Office Records Only (Do Not Fill In)

Approved:

Exterior	Wire	Con. Blk.
	Scratch	Wood Sdg.
	Brown	Bond Beam 6-12-50
	Finish	
	Final	
Interior Plaster	Lath 6-20-50	Plaster Bd.
	Scratch	
	Brown	
	Finish	
	Final	

DATE OF INSPECTION

Excavation OK 5-18-50	Frame 6-20-50
Forms OK. 6-12-50	Strong Back
Concrete 5-25-50	Room Ventilation
Foundation Vents	Range Vent
Size of R. W. Sill	Bath Room Vent
Bolts	Garage Vent
Service Hole	Garage Fireproofing
Reinforcing Steel 6-12-50	Shower Stall
Roofing Tile	Water Heater Location
Composition ✓	Fireplace
Shingles	Chimney Lining
Signs	Fences
Galv. Iron	Occupancy Cert. No.

Foundation Ventilation 2 square feet for every 25 lineal feet.

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City Ordinances and State Laws regulating Building Construction.

Signature of Owner or Authorized Agent

CORRECTIONS

ORIGINAL

APPLICATION FOR

2 BUILDING ALTERATIONS 2

Department of Building, City of Riverside, California

LOCATION OF JOB

3009 — 12th

NUMBER STREET

Permit No. 19150 Final Insp. 3/22/54

LEGAL DESCRIPTION—(DO NOT FILL IN)

Lot No. ..... Map No. .....

Block ..... Tract .....

Building used for

No. of Bldgs. Now on Lot	No. of Families	Use of Bldgs. Now on Lot

Size of Lot	Describe Alterations	Zone	Fire Dist
50X157.5	Close in front Porch & Stucco		
Group / Type		Rooms	Sq. Ft.

L. S. Prop. Line Set Back House	Garage	Front Prop. Line Set Back House	Garage	R. S. Prop. Line Set Back House	Garage
12		25		15	

Owner
Name Lopez
Address 3009 — 12 St

Arch
Name .....
Address .....

Contractor
Name W. A Griesbaber
Address 2869 — Date
License No.: City City State .....

Special Permit No. .....

Footing Size	2X14	Depth in Ground	12
Pier Size	16X16	Depth in Ground	8

Access Hole Metal Frame Within 5 ft. of Corner, 24 x 18 inches.

6 x 8 Metal Vent Over Range 36 sq. in. Continuous Through Roof

Exterior Walls Stucco	Min. Clg. Height 8 ft
Size of Studs 2X4 — 16 OC	Clg. Joist 2X4-6 16 OC
Joists 1st Floor 2X6 — 16 OC	Rafters 2X4 24 OC
Joists 2nd Floor	Material of Roof Comp

Chimney or Fireplace Brick Lined with Terra Cotta or Firebrick

Depth Footing in Ground 2 ft. ..... | Size 6" Larger on all sides .....

Date Permit Granted 12/7/53

Total Value 1200.00 Fee 8.00

Including labor, material, wiring, heating, plumbing, etc. OVER

Ventilation 2 sq. ft. for each 25 li. ft. First vent within 5 ft. of corner

For Office Records Only (Do Not Fill In)

Approved:

Exterior	Wire	Con. Blk.
	Scratch	Wood Sdg.
	Brown	Bond Beam
	Finish	
	Final	
Interior Plaster	Lath	Plaster Bd.
	Scratch	
	Brown	
	Finish	
	Final	

DATE OF INSPECTION

Excavation	Frame
Forms	Strong Back
Concrete	Room Ventilation
Foundation Vents	Range Vent
Size of R. W. Sill	Bath Room Vent
Bolts	Garage Vent
Service Hole	Garage Fireproofing
Reinforcing Steel	Shower Stall
Roofing Tile	Water Heater Location
Composition	Fireplace
Shingles	Chimney Lining
Signs	Fences
Galv. Iron	Occupancy Cert. No.

Foundation Ventilation 2 square feet for every 25 lineal feet.

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City Ordinances and State Laws regulating Building Construction.

Signature of Owner or Authorized Agent W. A. Bradley

CORRECTIONS

PERMIT No. 24229 DATE ISSUED June 16, 1942 AMOUNT 500.00 GROUP

LOT BLOCK TRACT

ADDRESS 3009 Twelfth Street

OWNER S. Lopez CONTRACTOR Owner

TYPE OF BUILDING Add. to & Remodel Dwlg. ZONE D-2 FIRE DISTRICT 3

DATE OF INSPECTION

SET-BACK: FRONT		FRAME	OK.	ROOFING: TILE	
SET-BACK: SIDE		ROOF CONSTRUCTION	OK	COMPOSITION	Comp. Shingles
TRENCHES		STRONG BACK	2X6	SHINGLE	
FORMS		ROOM VENTILATION	OK. Store	GALVANIZED IRON	
FOUNDATION VENTS		RANGE VENT		FIREPLACES	
ACCESS HOLE		BATH ROOM VENT		CHIMNEY LINING	
BOLTS		GARAGE VENT		WATER HEATER LOCATION	
SERVICE HOLE		GARAGE FIREPROOFING		FINAL INSPECTION	7/23/42
REINFORCING STEEL		SHOWER STALL		OCCUPANCY CERT.	
		LATH: (INSIDE)	3/8 Gyp. lath		
CORRECTIONS: Add to Store		LATH: (OUTSIDE)	Wood		
Health Dept Reg		PLASTER: (INSIDE COATS) 1st	7/2/42	2nd	7/23/42
By Com.		PLASTER: (OUTSIDE COATS) 1st		2nd	3rd

APPLICATION FOR PERMIT

—FOR—

PLUMBING OR SEWER CONNECTION

This application is to be signed by the owner of the premises or his or her duly authorized agent.

Riverside, Cal., April 1 1907

To the Honorable Board of Trustees of the City of Riverside:

Gentlemen:—The undersigned hereby makes application for a permit to be issued to S. V. Strunk *regularly licensed plumbers in the City of Riverside, authorizing them to do the work mentioned below, on premises No.* 169 *on the* North *side of* East 12 st *between* Clinton *and* Howard

Building { DWELLING / ~~BUSINESS~~ } *House Sewer to be Laid* { YES / ~~NO~~ } *Plumbing work to be done* { NEW WORK / ~~ALTERATION~~ / ~~EXTENSION~~ }

It is understood and aggreed that all new work done under the permit issued in response to this application, and all old work connected therewith, shall be constructed or reconstructed in such a manner as to be in accordance with the requirements of any City ordinance regulating such work and in effect at the time this application is made; and also subject to inspection by the Inspector of Plumbing.

2-70 *Owner,*

No. 1401 *By* *Agent*

Filed April 2, 1908.

70

3009-12+6

PERMIT No. 19075 DATE ISSUED Nov. 17th, 1937 AMOUNT $160.00 GROUP

LOT BLK TRACT

ADDRESS 3021-12th Street

OWNER Antonia Hernandez CONTRACTOR C. F. Colton

TYPE OF BUILDING Add. Screen Porch ZONE "D-2"

DATE OF INSPECTION

SET-BACK: Front Side ROOF: Shingle Comp. Tile

FOOTINGS: FORMS: FURNACE: Gas Oil

FRAME: FIREPLACES: CHIMNEYS:

LATH: (Inside) STORAGE TANKS: Gasoline Fuel Oil

LATH: (Outside) VENTS:

PLASTER: (Inside) VENTILATION:

PLASTER: (Outside) FINAL BLDG. INSP. 12/1/37

REINFORCING STEEL: OCCUPANCY CERTIFICATE

REMARKS:

PERMIT NUMBER

96-4031

CITY OF RIVERSIDE

3900 MAIN STREET
RIVERSIDE, CA 92522

BUILDING & SAFETY DIVISION

(909) 782-5697

Exp 9-28-98

Address: 3021 FOURTEENTH ST
Location:

Insp Area: D

Type: COMBO
Category: NRES
Class Code: 437

Status: APPROVED
Submittal: 12/24/1996
Issued: 05/21/1997

Parcel #: 211-231-010
Cens Tr:
Use Code:

Zoning: C-2

Occupancy Group: M

Owner: PEREZ ROBERT (TENANT)
Applicant: PEREZ ROBERT (TENANT)
Address: 4416 PARK AV
RIVERSIDE CA 92507

Phone: 909 369-3581
Phone: 909 369-3581

Contractor:
Bus Lic:

Phone:
License:

****

Permit Description:
T I - AMIGO MARKET (PLUMBING & ELECTRIC WORK ONLY)
INSTALL GAS LINE, STOVE AND TYPE I HOOD

SERVICE - Type:
Amps/Volts:
Undrgrnd/Ovrhd:

SETBACKS

Front:	.0	Back:	.0
Left:	.0	Right:	.0

VALUATION: 1,500.00

****

FEE DESCRIPTION	AMOUNT	FEE DESCRIPTION	AMOUNT
Issuance	25.00	General Plan	8.20
Plan Check	35.00	Acreage fee	.00
Building	.00	Storm Drain	
Microfilm	4.00	Park Fee	.00
Plumbing	3.00	Regional Park	.00
Mechanical	22.00	Other Dept. Fees	
Electrical	22.00	Extra Fees (Misc)	.00
SMIP	.00		
		TOTAL FEES	219.20

THIS PERMIT SHALL BE VOID AND OF NO FURTHER FORCE OR EFFECT IF WORK HEREUNDER IS NOT COMMENCED WITHIN 180 DAYS FROM DATE OF ISSUANCE HEREOF OR IF WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS OR MORE AFTER WORK IS COMMENCED.

OFFICE USE ONLY

CALL FOR INSPECTION
24 HOUR REQUEST LINE
(909) 782-5361

OFFICE USE ONLY
IN ACCORDANCE WITH HEALTH AND SAFETY CODE, SECTION 19825, ALL REQUIRED DECLARATIONS HAVE BEEN PROPERLY SIGNED AND DATED BY THE PERMITTEE.

VERIFIED BY: _____

271-033
White—Building Div. Pink—Business Tax Card—Job Site

32055

Structural Inspection		
Type	Date	Sign
Foundation, Location		
Grout Lift		
Slab		
Roof Sheathing		
Shear Panel/Hold Down		
Framing		
Insulation		
Drywall		
Firewall		
Exterior Lath		
Fireplace		
T-Bar Ceiling		
Special Inspection		
Other		
Clean-up		
Final Approval		

Plumbing Inspection		
Type	Date	Sign
U/G Plumbing		
Rough Plumbing		
Gas Test	8-4-97	
Sewer		
Septic System		
Other		
Sewer Cap		
Final Approval		

Mechanical Inspection		
Type	Date	Sign
Vents & Ducts	9-8-97	
Combustion Air		
Dampers		
Other		
Final Approval		

Swimming Pool/Spa Inspection		
Type	Date	Sign
U/G Plumbing		
Steel & Location		
Electrical Bonding		
U/G Electrical		
U/G Gas Piping		
Gas Test		
Fence & Gates		
Other		
Final Approval		

Electrical Inspection		
Type	Date	Sign
Grounding Electrode		
U/G Conduit		
Rough Wiring	9-8-97	
Other		
Final Approval		

UTILITY CLEARANCE 9/10/97 8:40 ☒ GAS ☐ ELEC ☐ UNDERGROUND ☐ OVERHEAD ☐ 3 WIRE ☐ 4 WIRE ____ AMPS

NOTES: PRESSURE TEST — NO ~~[illegible]~~ PLANS - UNABLE TO VERIFY SIZE OF GAS LINE 6-17-97 / 8-7-97 HOOD SHAFT
8-14-97 (Rw) FRAME NOT SIGNED ON WELDING? ON HOOD? (DT)
WILL CALL FOR 8-15-97 W/PHIL.
8-15-97 HOOD DUCT & SHAFT

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____ Date ___/___/___

Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____ B. & P.C. for this reason _____

Date 5/21/97 Owner Signature Roberto Perez

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____

Policy Number _____

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

☑ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 5/21/97 Applicant: Roberto Perez

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lenders' Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Roberto Perez — Signature of Applicant

5/21/97 — Date

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 14th

CORRECTION NOTICE

Permit No. 96-4031

1) GAS TEST DOWN
MINIMUM 10 LBS
REQUIRED FOR TEST
2) ADD ADDITIONAL
GAS APPLIANCE (S) TO
APPROVED PLANS

Inspector: Irvin Date: 7-24-97

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 FOURTEENTH

CORRECTION NOTICE

Permit No. 96-4031

(1) THE INSTALLATION OF THE "TYPE I HOOD" MUST MATCH THE APPROVED PLANS EXACTLY WITH ALL REQUIRED CLEARANCE

(2) GAS TEST FAILED TO HOLD REQUIRED PRESSURE

(3) GAS PIPE SIZE MUST RUN REQ. 1½" SIZE ALL THE WAY TO THE GAS METER - NO REDUCTIONS

Inspector: D. MORRIS

Date: 7-1-97

Phone: 782-5250

Form No. 271.015

Office Copy

```
RIVERSIDE        Id: ACTP125  Keyword: UACT     User: BWATSON          07/01/97
Activity Table Processing                                   COMBINATION PERMIT
  Permit No: 96-4031              Owner: PEREZ ROBERT (TENANT)
     Status: APPROVED            Address: 3021 FOURTEENTH ST

                                                Type: COMBO    Vers: 9601 Screen: 01
 Base Information
Parcel No...:211-231-010
Owner.......:PEREZ ROBERT (TENANT)
Status......:APPROVED    Bin #:3-L    Issued By:PC      Act/Inact:A
Description.:T I - AMIGO MARKET (PLUMBING & ELECTRIC WORK ONLY)
Add'l Locale:
Category....:NRES    (RES, NRES)
Zoning......:C-2                                              Plan Ckr:JLB
Census Tr...:
Use/Type Con:          Moved Bldg (Y/N):N          Submittal Date:12/24/1996
Occ Group...:M         SETBACKS - Front:    .0     Approved Date.: 5/21/1997
Insp Area...:D                   Back:    .0     Finaled Date..:  /  /
Class Code..:437                 Left:    .0     Permit Expires:12/23/1997
New Units...:                   Right:    .0     PC to Expire..:  /  /
New Bldgs...:  1       SERVICE - Type (Gas/Elec):
Public Own..:N                        Amps/Volts:
Valuation...:       1,500.00 Underground/Overhead:
 F7=Update, F2=Previous Line, F1=Screen Index, ESC=Cancel Update
```

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 14TH

CORRECTION NOTICE

Permit No. 96-4031

10) SEAL ROOF AT HOOD BLOWER ON ROOF

11) GREASE DRAIN FOR HOOD BLOWER CAP SHALL DRAIN TO AN APPROVED LOCATION

12) PROVIDE A 20 A CIRCUIT WITH CONVENIENCE OUTLET WITHIN 25' OF ROOF TOP EQUIPMENT

13) LABEL CIRCUIT BREAKERS FOR HOOD & MAKE UP AIR

Inspector: IRVW Date: 8-27-97

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 14th

CORRECTION NOTICE

Permit No. 96 - 4031

1) PROVIDE PROPER CONNECTIONS - FLEX TO BOX, FLEX TO LIQUID TITE

2) J-BOX COVER ON TOP OF HOOD

3) MAKE UP AIR AND HOOD BLOWERS SHALL BE TIED TOGETHER - BOTH ON, BOTH OFF

4) FLEX CONDUIT SHALL NOT BE RUN ON OUTSIDE OF BUILDING

Inspector: IRVIN Date: 9-27-97

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 14th

CORRECTION NOTICE

Permit No. 96-4031

1) PROVIDE INSPECTION FOR SHAFT FRAMING - PRIOR TO DRYWALL SEE SHAFT DETAIL ON APPROVED PLANS

2) PROVIDE FRAMING INSPECTION FOR ROOF REINFORCEMENT - SEE PLANS

3) 1½" GAS LINE SHALL RUN FROM GAS METER TO TERMINATION AT GAS APPLIANCE

Inspector: IRVIN Date: 6-26-97

Phone: 782-5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 14TH

CORRECTION NOTICE

Permit No. 96-4031

5) PROVIDE APPROVED CONNECTION TO MOTOR OF MAKE UP AIR

6) PROVIDE DISSCONNECT ON ROOF FOR MAKE UP AIR

7) PROVIDE DISSCONNECT FOR HOOD BLOWER ON ROOF

8) SECURE LIQUID TIGHT WITHIN 12" OF BOXES

9) PROVIDE LIQUID TIGHT CONDUIT CONNECTORS

Inspector: IRVIN Date: 8-27-97

Phone: 782 5262

Form No. 271.015 Office Copy

CITY OF RIVERSIDE
Building & Safety Division

Inspection Request Phone: 782-5361

ADDRESS: 3021 14th

CORRECTION NOTICE

Permit No. 96-4031

4) PROVIDE ACCESS TO ROOF

NOT A COMPLETE LIST FOR FINAL

Inspector: IRVIN Date: 6-26-97

Phone: 782-5262

Form No. 271.015 Office Copy

RIVERSIDE Id: ACTP124 Keyword: UACT User: COUNTER3 08/28/97
Activity Full Description Maintenance COMBINATION PERMIT
Permit No: 96-4031 Owner: PEREZ ROBERT (TENANT)
Status: APPROVED Address: 3021 FOURTEENTH ST

Full Work Description

Description: Page No: 1
2T I - AMIGO MARKET (PLUMBING & ELECTRIC WORK ONLY)
2**INSTALL GAS LINE. STOVE AND TYPE I HOOD & STEAM
2TABLE ADDED TO PMT ON 8/28/97**
2
2
2
2
2
2
2
2
2
2222222222222222222222222222222222222222222222222

F2=Next Page, F3=1ST Page, F4=Prev Page, F7=Update, ESC=Exit Desc Maint

Ten APNs

3034 10th Street

Riverside, CA 92507

Inquiry Number: 5221946.4

March 16, 2018

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

03/16/18

Site Name:	Client Name:
Ten APNs	Ninyo & Moore
3034 10th Street	475 Goddard
Riverside, CA 92507	Irvine, CA 92618
EDR Inquiry # 5221946.4	Contact: Dennis Fee

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore 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:		*Coordinates:*	
P.O.#	NA	**Latitude:**	33.97598 33° 58' 34" North
Project:	209691005	**Longitude:**	-117.36778 -117° 22' 4" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	466026.67
		UTM Y Meters:	3759553.63
		Elevation:	869.65' above sea level

Maps Provided:

2012
1980
1973
1967
1953
1947
1942
1901

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Topo Sheet Key

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

2012 Source Sheets

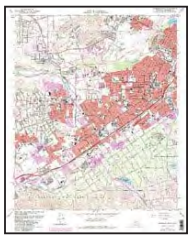
Riverside East

7.5-minute, 24000

Riverside West

7.5-minute, 24000

1980 Source Sheets



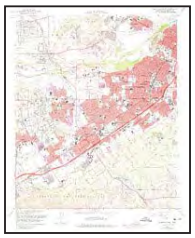
Riverside West

7.5-minute, 24000
Aerial Photo Revised 1978

Riverside East

7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets



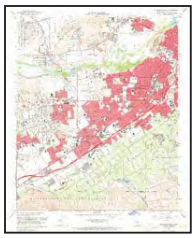
Riverside West

7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets

Riverside East

7.5-minute, 24000
Aerial Photo Revised 1966



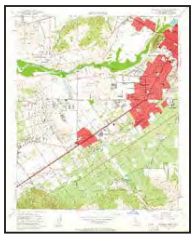
Riverside West

7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

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

1953 Source Sheets



Riverside West

7.5-minute, 24000
Aerial Photo Revised 1951

Riverside East

7.5-minute, 24000
Aerial Photo Revised 1951

1947 Source Sheets

RIVERSIDE

15-minute, 50000

1942 Source Sheets

RIVERSIDE VICINITY

7.5-minute, 31680

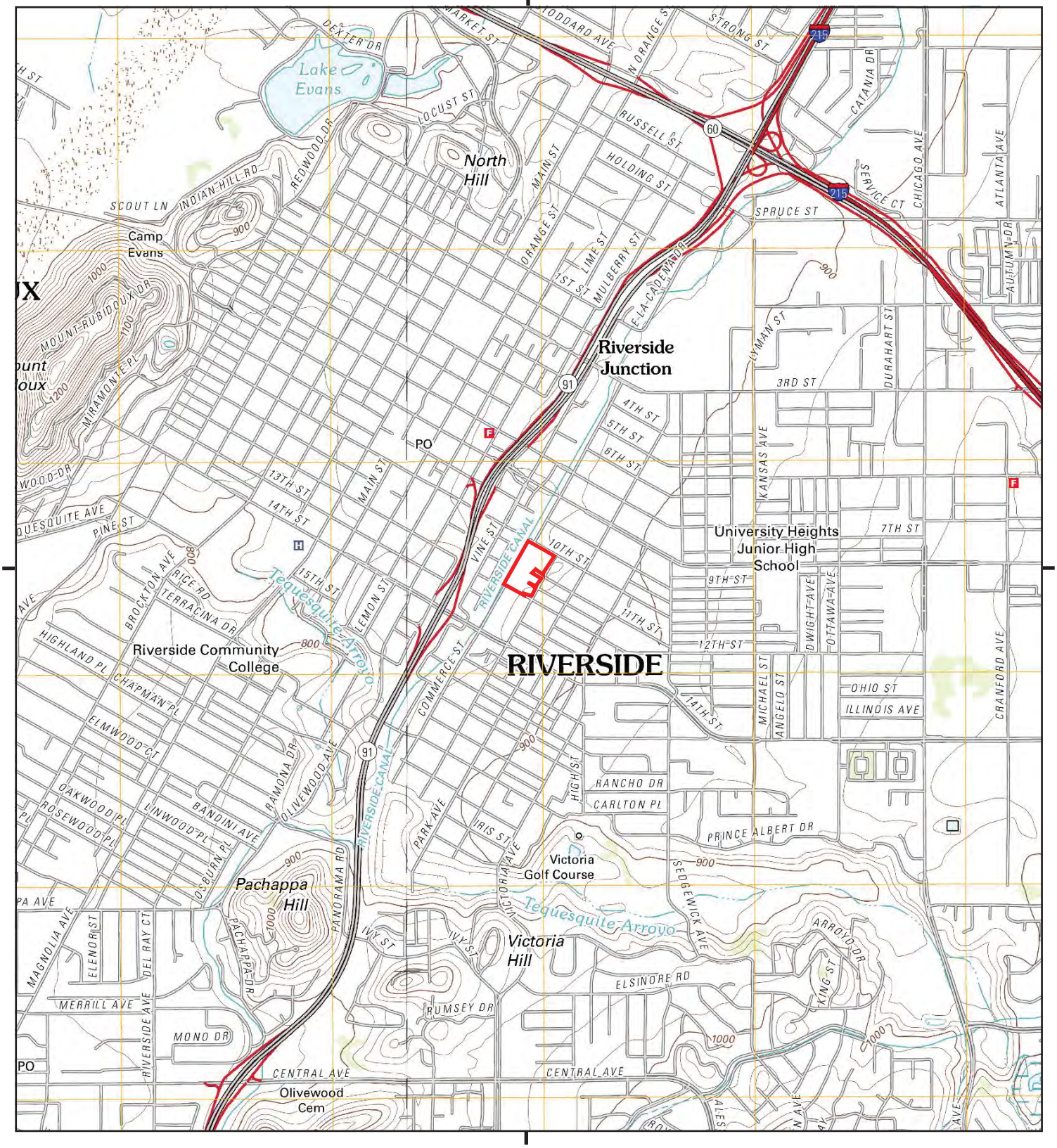
1901 Source Sheets

Riverside

15-minute, 62500

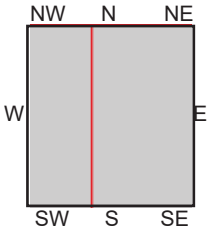
Historical Topo Map

2012



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

0 Miles 0.25 0.5 1 1.5



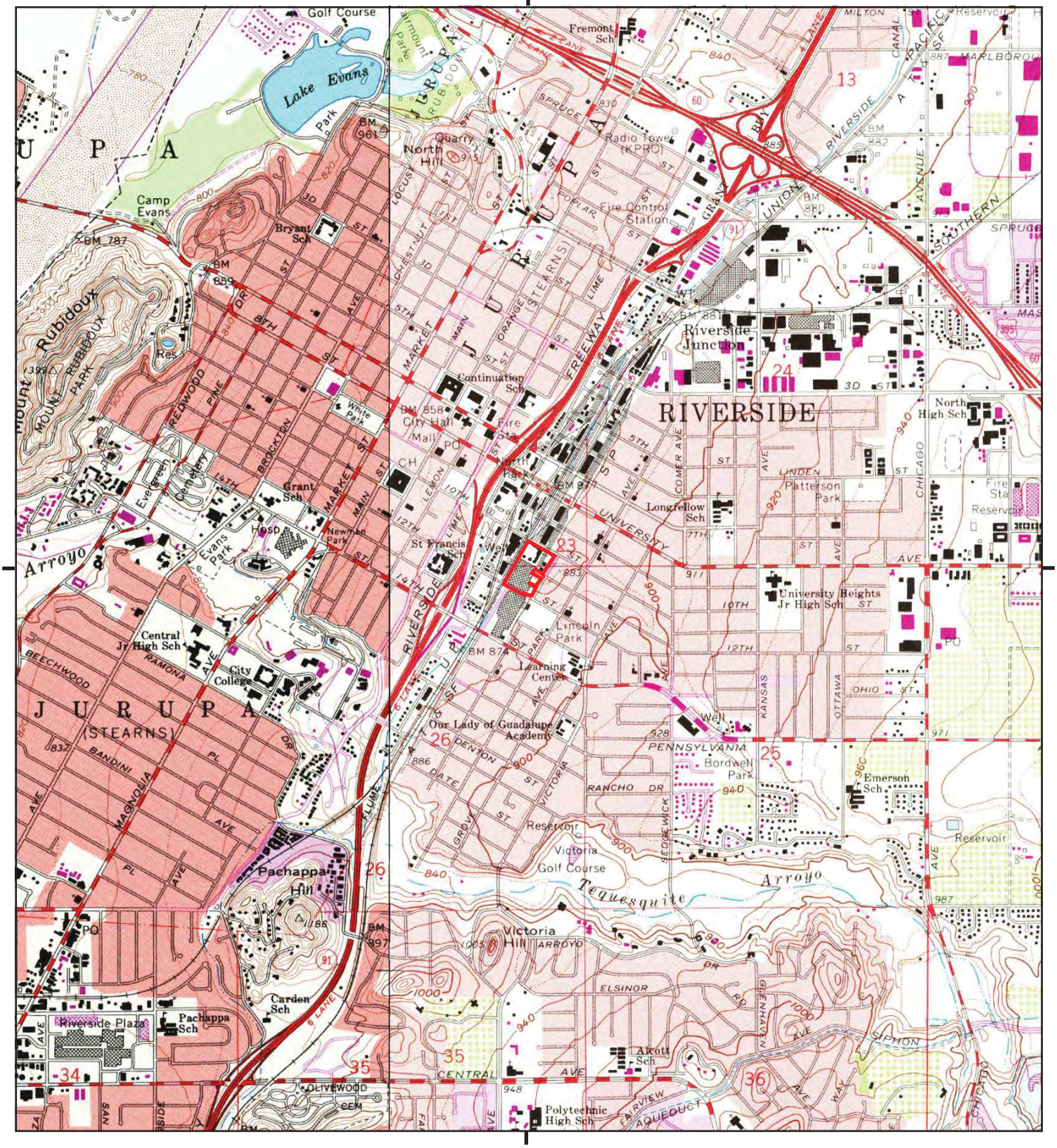
TP, Riverside East, 2012, 7.5-minute
SW, Riverside West, 2012, 7.5-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

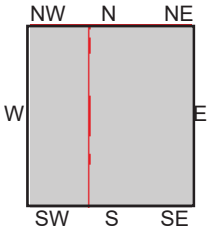
Historical Topo Map

1980



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

0 Miles 0.25 0.5 1 1.5



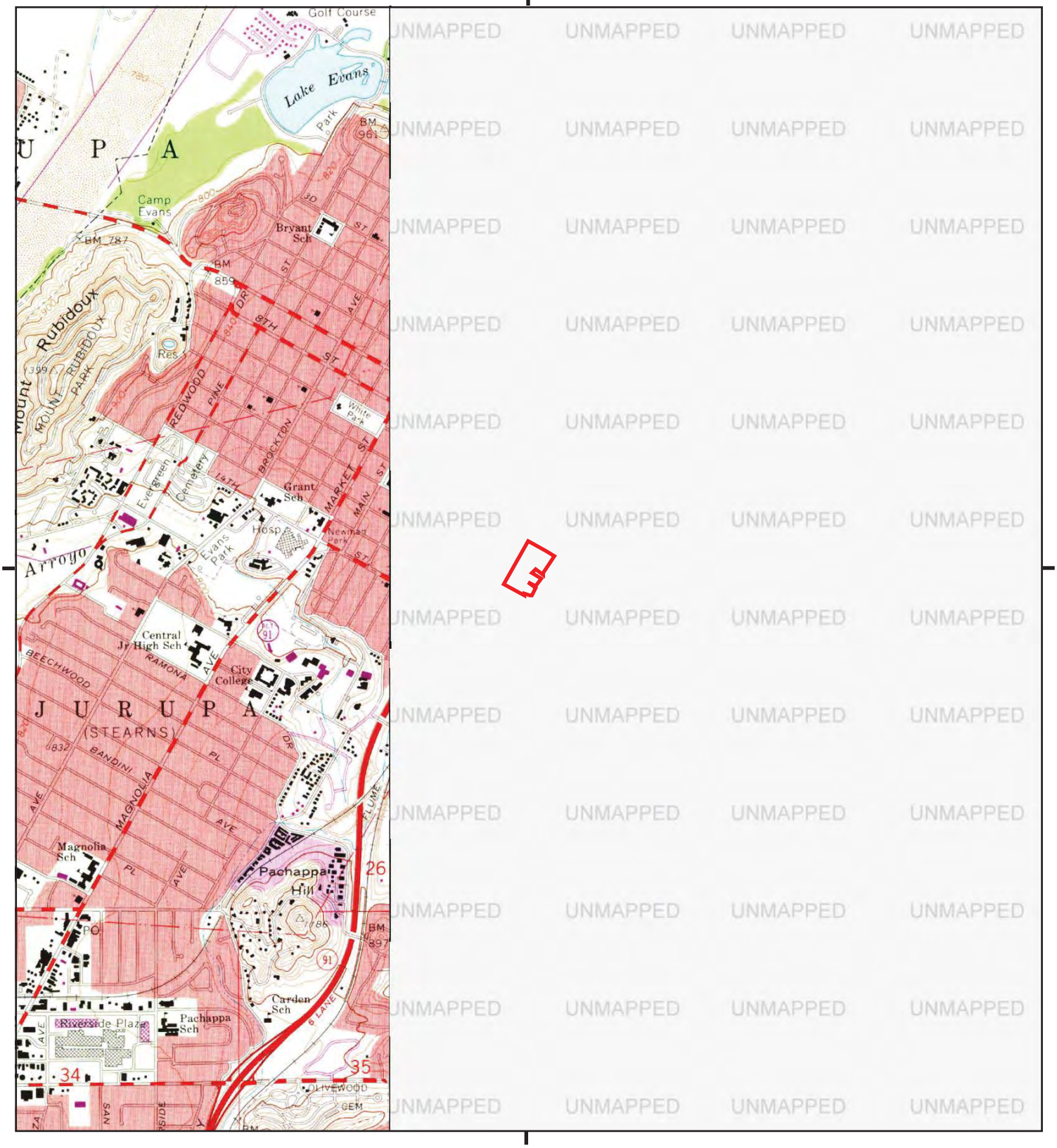
TP, Riverside East, 1980, 7.5-minute
SW, Riverside West, 1980, 7.5-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

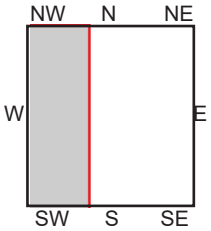
Historical Topo Map

1973



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

0 Miles 0.25 0.5 1 1.5



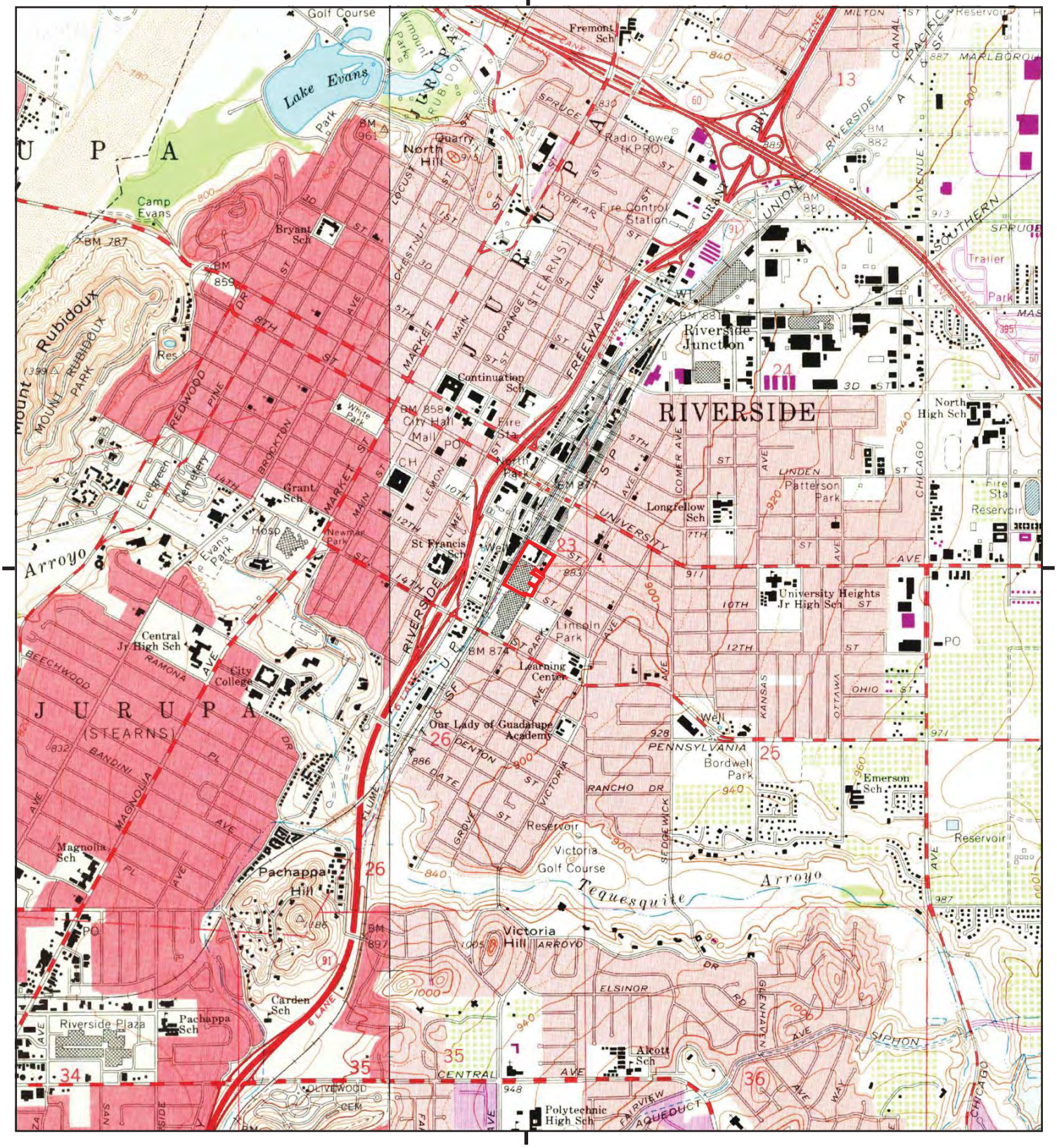
SW, Riverside West, 1973, 7.5-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

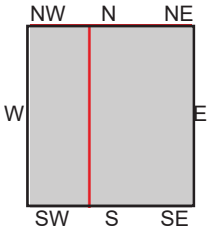
Historical Topo Map

1967



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

0 Miles 0.25 0.5 1 1.5



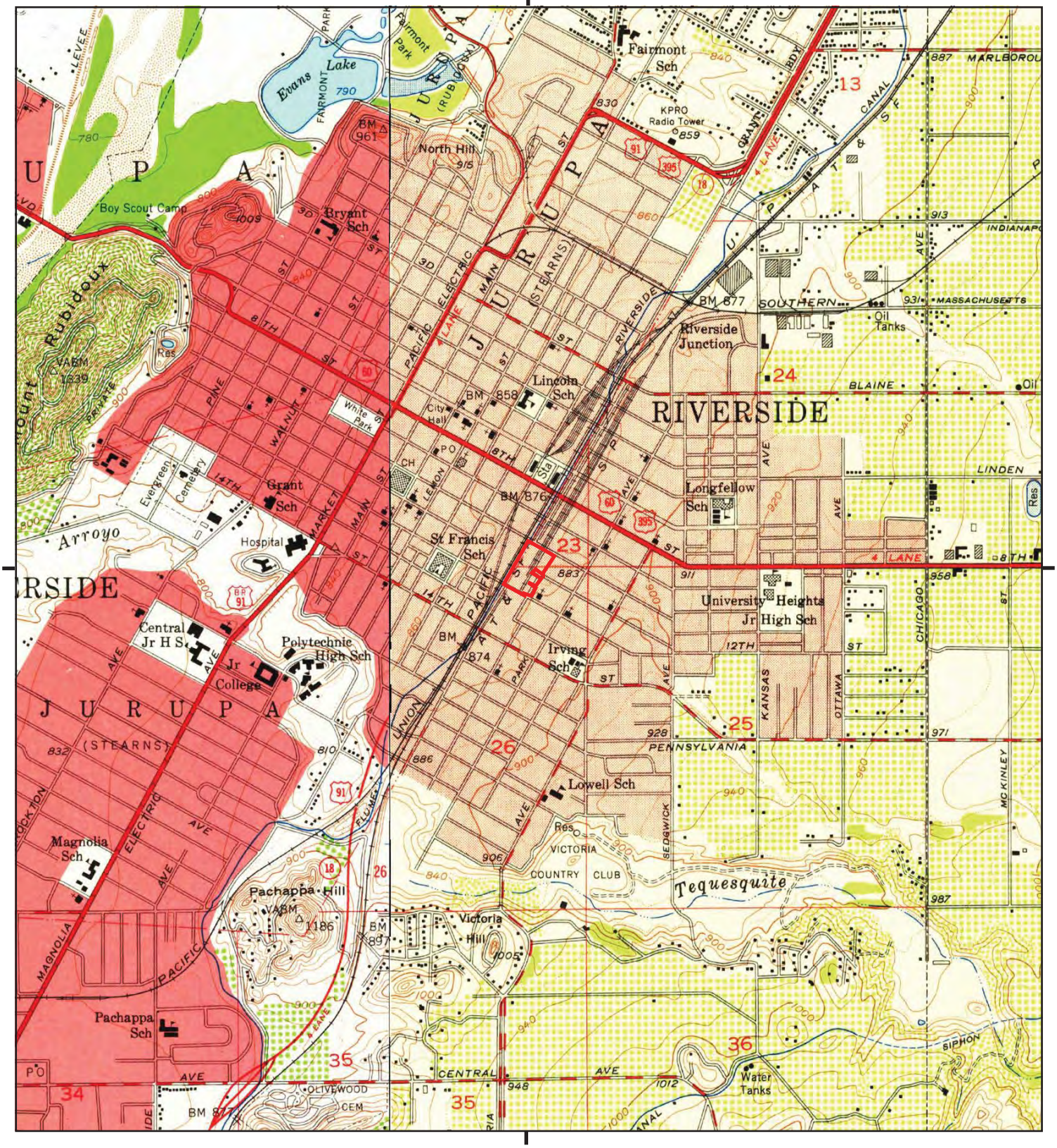
TP, Riverside East, 1967, 7.5-minute
SW, Riverside West, 1967, 7.5-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

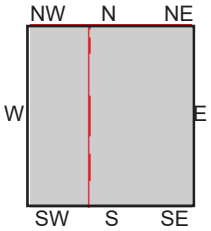
Historical Topo Map

1953



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

0 Miles 0.25 0.5 1 1.5



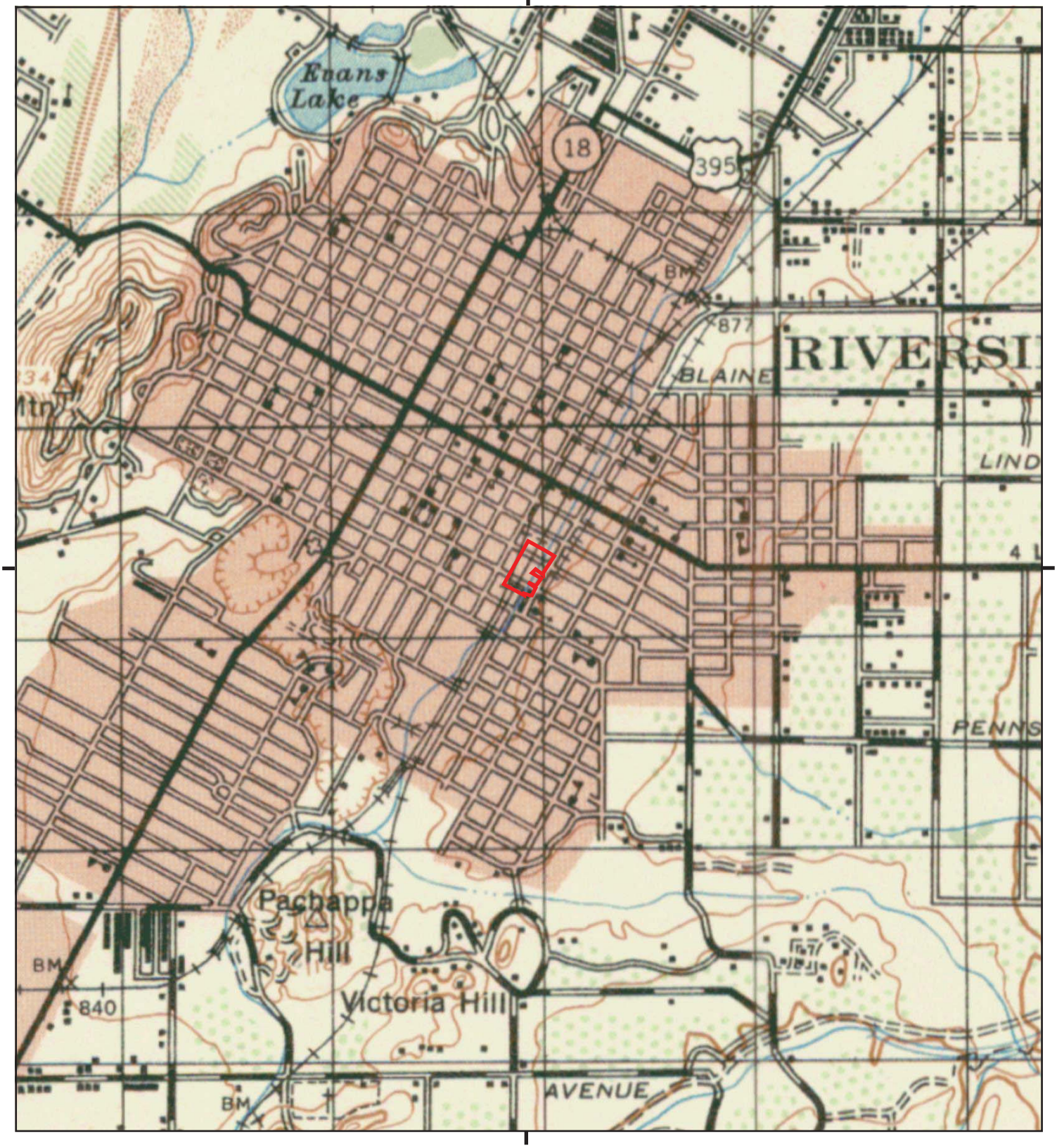
TP, Riverside East, 1953, 7.5-minute
SW, Riverside West, 1953, 7.5-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

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

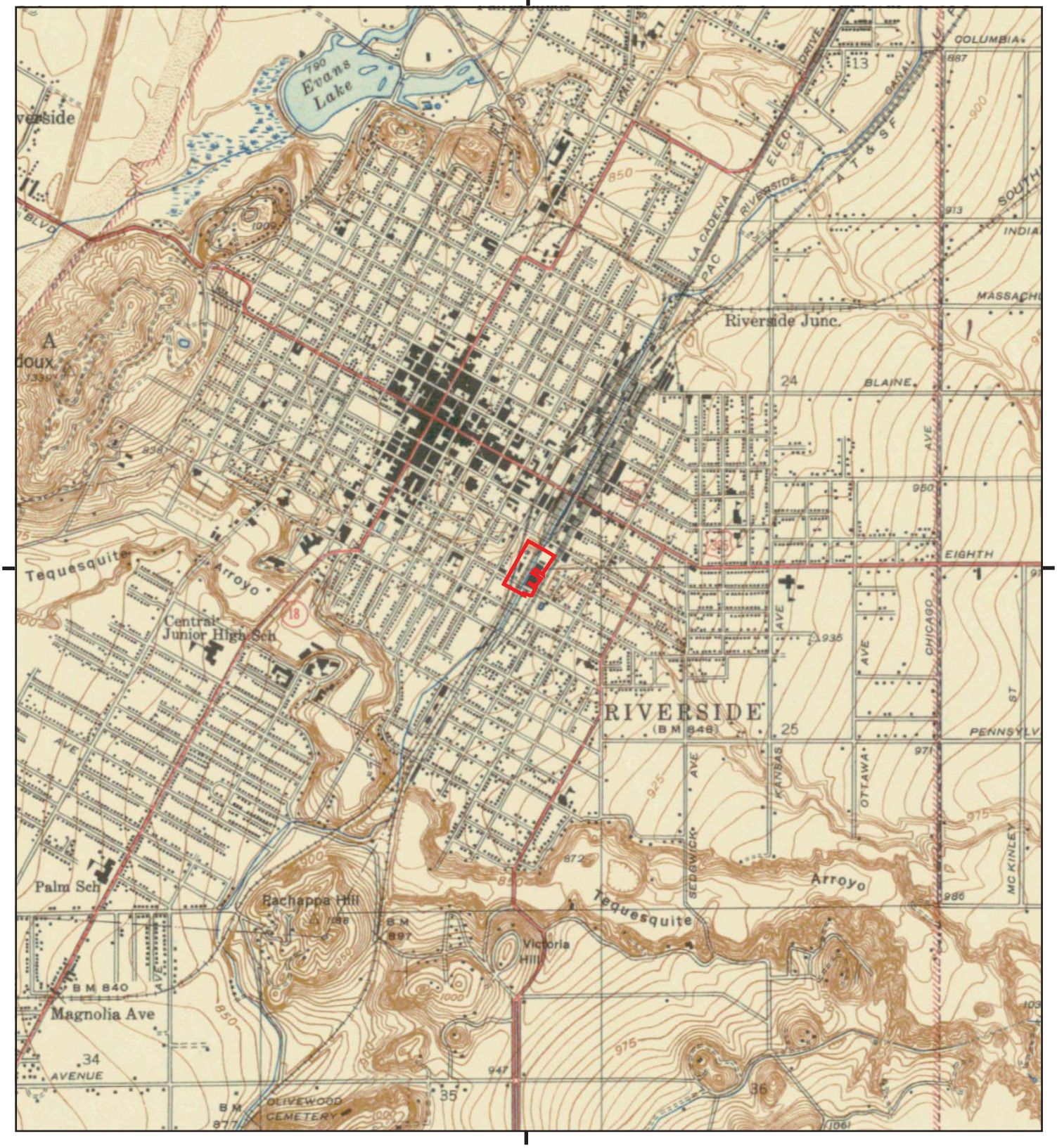
TP, RIVERSIDE, 1947, 15-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

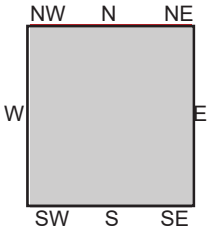
Historical Topo Map

1942



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

0 Miles 0.25 0.5 1 1.5



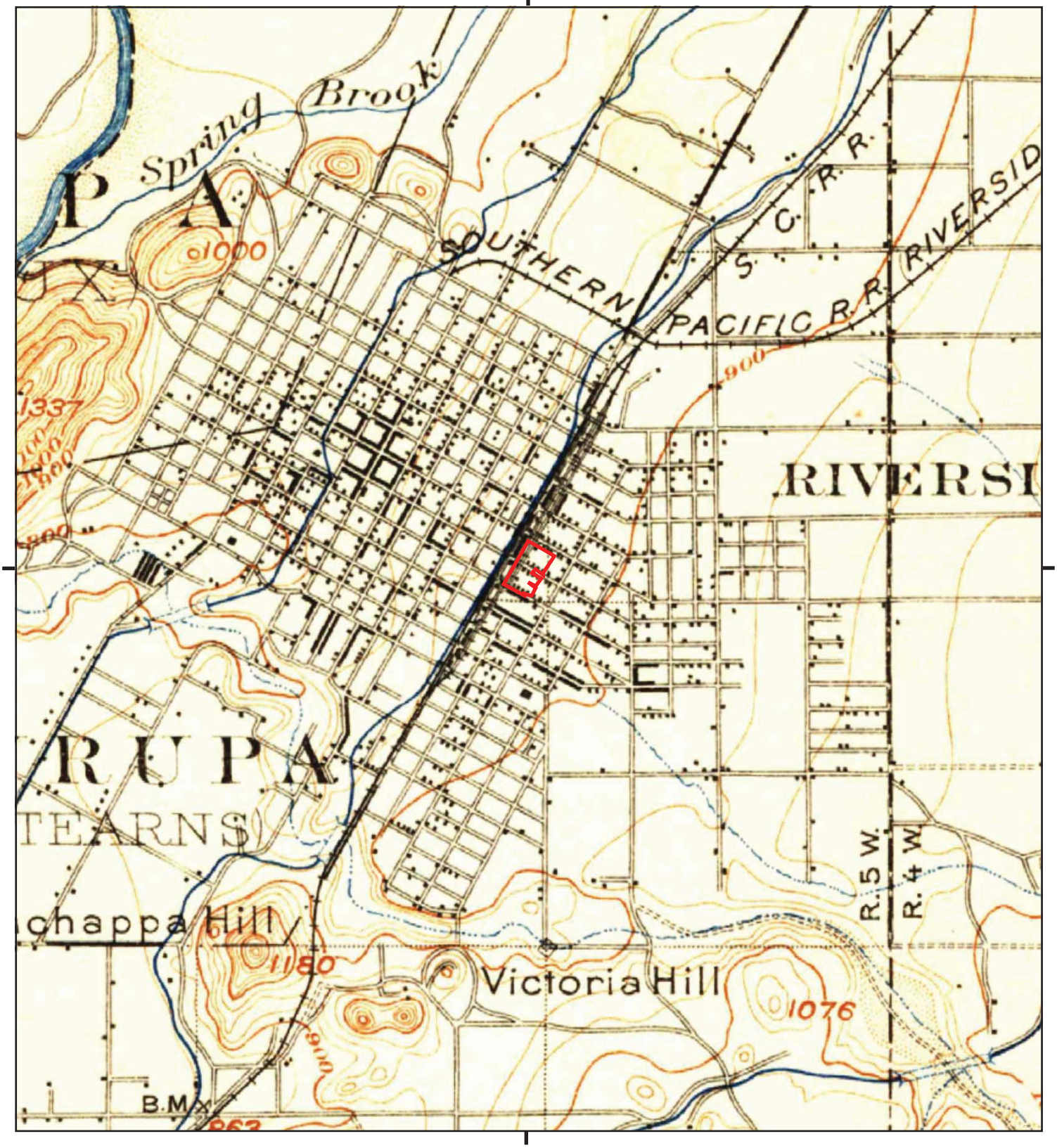
TP, RIVERSIDE VICINITY, 1942, 7.5-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

Historical Topo Map

1901



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, Riverside, 1901, 15-minute

SITE NAME: Ten APNs
ADDRESS: 3034 10th Street
Riverside, CA 92507
CLIENT: Ninyo & Moore

N

Ten APNs
3034 10th Street
Riverside, CA 92507

Inquiry Number: 5221946.7S
March 23, 2018

EDR Environmental Lien and AUL Search

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

EDR Environmental Lien and AUL Search

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

TEN APNS
3034 10TH STREET
RIVERSIDE, CA 92507

RESEARCH SOURCE

Source 1: Recorder
Riverside County, California

Source 2: Assessor
Riverside County, California

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land containing 1.16 acres, more or less, being portions of Blocks 3 and 6, Santa Fe Tract, as shown by Map on file in Book 6, Page(s) 14, of Maps and a portion of Block 16 of White's Addition, recorded in Book 6, Page 48 of Maps, and alley, all as shown on Record of Survey filed in Book 12 at Page 14, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-004

Deed 2:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land containing 0.62 acres, more or less, being portions of Blocks 3 and 5, and streets in Santa Fe Tract, as shown by Map on file in Book 6, Page(s) 14, of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-006

Deed 3:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land containing 0.83 acres, more or less, being portions of Blocks 3 and 4, and streets in Santa Fe Tract, as shown by Map on file in Book 6, Page(s) 14, of Maps, and a portion of Block 16 of White's Addition, recorded in Book 6, Page 48 of Maps situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-007

Deed 4:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land containing 0.44 acres, more or less, portion of Lots 5, 6 and 7 of Block 16 of White's Addition, recorded in Book 6, Page 48 of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-008

Deed 5:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land being portions of Lots 7 and 8 and alley and street, Block 5, in Santa Fe Tract, as shown by Map on file in Book 6, Page(s) 14, of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-026

Deed 6:

Type of Deed: Grant Deed

Title is vested in: Abraham Agosto and Angelica Agosto, husband and wife as joint tenants

Title received from: Jorge A. Franco, a single man

Deed Dated: 03/06/2014

Deed Recorded: 03/28/2014

Instrument: 2014-0114952

Legal Description: All that certain piece or parcel of land being the Easterly 5 feet of Lot 8 and the Westerly 40 feet of Lot 9 in Block 5 of the Santa Fe Tract, as shown by map on file in Book 6, Page 14 of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Abraham Agosto and Angelica Agosto, husband and wife as joint tenants

Property Identifiers: 211-201-027

Deed 7:

According to the Riverside County Assessor, the current owner of the subject property is Otilia Ballesteros. Records were searched at the Riverside County Recorder's Office back to 1980. No conveyance was found of record for the subject property. Based on our research, it appears that Otilia Ballesteros acquired title to the property prior to 1980.

Legal Description: All that certain piece or parcel of land being portions of Lots 9 and 10 in Block 5 of the Santa Fe Tract, as shown by map on file in Book 6, Page 14 of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Otilia Ballesteros

Property Identifiers: 211-201-028

Deed 8:

Type of Deed: Grant Deed

Title is vested in: 3010 Street, LLC, a California limited liability company

Title received from: Poma Distributing Company, Inc., a California corporation

Deed Dated: 05/31/2006

Deed Recorded: 06/06/2006

Instrument: 2006-0408016

Legal Description: All that certain piece or parcel of land being Lots 1 and 2 in Block 5 of the Santa Fe Tract, as shown by map on file in Book 6, Page 14 of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: 3010 Street, LLC, a California limited liability company

Property Identifiers: 211-201-030

Deed 9:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land being portions of Lots 11 and 12, Block 3 of the Santa Fe Tract, as shown by map on file in Book 6, Page 14 of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-037

Deed 10:

Type of Deed: Grant Deed

Title is vested in: Mad Atom, LLC, a California limited liability company

Title received from: MLM Properties, LLC, a California limited liability company

Deed Dated: 04/14/2017

Deed Recorded: 06/08/2017

Instrument: 2017-0229151

Legal Description: All that certain piece or parcel of land being portions of Blocks 3, 5 and 6 of the Santa Fe Tract, as shown by map on file in Book 6, Page 14 of Maps, and portions of Block 16 of White's Addition, recorded in Book 6, Page 48 of Maps, situate and lying in the County of Riverside, State of California.

Legal Current Owner: Mad Atom, LLC, a California limited liability company

Property Identifiers: 211-201-039

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Docket:
Volume:
Instrument:
Comments:
Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☒ Not Found ☐

If found:

1st Party: MLM Properties, LLC

2nd Party: State of California Department of Toxic Substances Control

Dated: 05/23/2012
Recorded: 07/02/2012
Instrument: 2012-0305488
Comments: This is a Covenant to Restrict Use of Property Environmental Restriction.

RESTRICTIONS

4.01 Prohibited Uses. The Property shall only be used for industrial and commercial uses. The Property shall not be used for any of the following purposes:

(a) A residence, including any mobile home or factory built housing, constructed or installed for use as residential human habitation.

(b) A hospital for humans.

(c) A public or private school for persons under 21 years of age.

(d) A day care center for children.

(e) Any other similar sensitive uses resulting in the indoor habitation of humans for greater than twelve hours per day.

4.02 Soil Management

(a) No activities (e.g. planting, utility line installation, excavation, boring, grading, removal, trenching and filling) that disturb soil shall be allowed on the Property without prior written approval of a soil management plan by the Department. In general, the Property comprises the areas where soil removal activity did not occur, or beneath historical structures. Information regarding the locations that were remediated and from which hazardous materials were removed can be found in the Remedial Action Completion Report on DTSC's website located at: http://www.envirostor.dtsc.ca.gov/public/profile report.asp?global id=33490085.

(b) Any contaminated soils brought to the surface by grading, excavation, trenching or backfilling shall be managed in accordance with all applicable provisions of state and federal law.

(c) The Owner shall provide the Department written notice at least fourteen (14) days prior to any building, filling, grading or excavating at the Property.

4.03 Access to the Property. The Department, and entities administering long term monitoring, if necessary, shall have reasonable right of entry and access to the Property for inspection, monitoring, operation, maintenance, repair, and other activities consistent with the purposes of this Covenant as deemed necessary by the Department in order to protect the public health or safety, or the environment.

4.04 Non-Interference with Groundwater Monitoring Wells.

(a) Activities that may disturb, alter, damage, or destroy groundwater monitoring wells on the Property shall be prohibited unless authorized in writing by the Department. Any unauthorized damage to a groundwater monitoring well resulting from intentional or negligent acts or omissions of the Owner and/or Occupant constitutes a violation of this Covenant.

(b) All uses and development of the Property shall preserve the integrity and physical accessibility of the groundwater monitoring wells on the Property.

(c) The Owner and/or Occupant, as applicable, shall notify the Department of any damage caused by such Owner or Occupant, as applicable, to a groundwater monitoring well on the Property, including information on the date of damage and the nature of the damage. Notification to the Department shall be made, as provided below, within ten (10) working days of discovery of the damage.

4.05 Inspection and Reporting Requirements. No more often than once a year from the effective date of this covenant, and annually thereafter, Owner(s) or their agents(s) shall submit an Annual Status Report to the Department certifying whether the Owner is in compliance with the use restrictions specified in Section 4.01 of this covenant. The Owner(s) shall submit the Annual Status Report to: Tedd Yargeau, Department of Toxic Substances Control, Brownfields and Environmental Restoration Program, Chatsworth Office, or his successor. The requirement to submit an Annual Status Report shall continue in effect during the term of this covenant and may not be terminated except in accordance with Section 6.02. The requirement to submit an Annual Status Report applies to the Covenantor at any time the Covenantor holds title to all or any portion of the Property.

The Owner(s) shall include in the Annual Status Report either Statement (1) or Statement (2):

Statement (1): The undersigned is the Owner of the Property subject to this Covenant, and hereby certifies that such Property has not been used for any of the purposes listed in Section 4.01 during the past year and is not currently being used for any of those purposes.

Statement (2): The undersigned is the Owner of Property subject to this Covenant, and hereby admits that such Property has been used for one or more of the purposes listed in Section 4.01 during the past year.

DEED EXHIBIT

DOC # 2017-0229151
06/08/2017 10:02 AM Fees: $72.00
Page 1 of 10
Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder

This document was electronically submitted to the County of Riverside for recording
Receipted by: KIYOMI #289

RECORDING REQUESTED BY:
Orange Coast Title Company

WHEN RECORDED MAIL DOCUMENT AND TAX STATEMENT TO:

Mad Atom, LLC
1571 Mac Arthur Blvd
Costa Mesa CA 92626

APN: 211-201-004, 006, 007, 008, 026, 037, 039
TITLE ORDER NO.: 140-1825043-66
ESCROW NO.: 37828-1

TRA: 009-005

THIS SPACE FOR RECORDER'S USE ONLY

GRANT DEED

The undersigned Grantor(s) declare(s) that the **DOCUMENTARY TRANSFER TAX IS: $** 9191.60
XX computed on the full value of the interest of property conveyed, or
___ computed on the full value less the value of liens or encumbrances remaining thereon at the time of sale.
___ OR transfer is EXEMPT from tax for the following reason:

Signature of declarant or agent determining tax Firm Name

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

MLM PROPERTIES, LLC, a California limited liability company

HEREBY GRANT(S) to

Mad Atom, LLC, a California limited liability company

All that real property situated in the City of Riverside, County of Riverside, State of California, described as:

More particularly described in the attached Exhibit "A", made a part hereof;

Commonly Known As: 3007-3087 12th Street with Land, Riverside, CA 92507

April 14, 2017

MAIL TAX STATEMENTS AS DIRECTED ABOVE

MLM PROPERTIES, LLC
a California limited liability company

By: See attached
Max Lewis Cardey, Jr., Member

By: [signature]
Max Cardey III, Member

By: See attached
Michael G. Cardey, Member

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

STATE OF CALIFORNIA)
COUNTY OF Tulare)

On April 20, 2017, before me, Peggy S. Scofield, a Notary Public personally appeared Max Cardey III

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [signature] (SEAL)

PEGGY S. SCOFIELD
Commission # 2050160
Notary Public - California
Tulare County
My Comm. Expires Nov 25, 2017

MLM PROPERTIES, LLC
a California limited liability company

By: Max Lewis Cardey Jr.
Max Lewis Cardey, Jr., Member

By: See attached
Max Cardey III, Member

By: [signature]
Michael G. Cardey , Member

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document

STATE OF CALIFORNIA }
COUNTY OF Riverside }
On 4/21/2017, before me, Teresa M. Gaines, a Notary Public
personally appeared Michael G. Cardey

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [signature] (SEAL)

TERESA M. GAINES
Commission # 2134109
Notary Public - California
Riverside County
My Comm. Expires Dec 16, 2019

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT **CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Riverside)
On 4/24/2017 before me, Teresa M. Gaines, notary public.
Date *Here Insert Name and Title of the Officer*
personally appeared Max Lewis Cardey Jr.
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

TERESA M. GAINES
Commission # 2134109
Notary Public - California
Riverside County
My Comm. Expires Dec 16, 2019

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Teresa M. Gaines
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document
Title or Type of Document: Grant Deed Document Date: 4/14/2017
Number of Pages: 1 Signer(s) Other Than Named Above: Max Cardey III, Michael G. Cardey

Capacity(ies) Claimed by Signer(s)

Signer's Name:
☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other:
Signer Is Representing:

Signer's Name:
☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other:
Signer Is Representing:

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Order No. 140-1825043-66

Exhibit "A"

Parcel 1: A portion of APN 211-201-006-9

That portion of the Santa Fe Tract, as shown by Map on file in Book 6 Page(s) 14, of Maps, records of San Bernardino County, California, described as follows:

Beginning at the point of intersection of the Southwesterly prolongation of a line that is parallel with the distant Southeasterly 43 feet, measured at right angles, from the Northwesterly line of Block 5 of said tract, with the center line of 12th Street (66 feet wide), as said Block and Street are shown on said Map; thence Northeasterly along said prolongation and said parallel line and its Northeasterly prolongation, 501.01 feet to a point in a line parallel with and distant Northeasterly 71.10 feet, measured at right angles, from the Southwesterly line of Block 3 of said tract as shown on said Map; thence Northwesterly along last said parallel line, 13 feet to a point in a line parallel with and distant Southeasterly 30 feet, measured at right angles, from said Northwesterly line of Block 3; thence Northeasterly along last said parallel line, 95 feet; thence Southeasterly at right angles from last described course, 60 feet to a point in a line parallel with and distant Southeasterly 90 feet, measured at right angles, from said Northwesterly line of said Block 3; thence Southwesterly along last said parallel line and its Southwesterly prolongation, 389.60 feet to a point in the Northeasterly line of that certain alley (16 feet wide), as shown in Block 5 on said Map; thence Northwesterly along said Northeasterly line, 14.50 feet to a point in a line parallel with and distant Southeasterly 75.50 feet, measured at right angles, from said Northwesterly line of Block 5; thence Southwesterly along last said parallel line, and its Southwesterly prolongation 206.50 feet to a point in aforementioned center line of 12th Street; thence Northwesterly along said center line, 32.50 feet to the point of beginning.

Except all of the minerals and mineral ores of every kind and character 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 grantors, its successors and/or 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 the said land beneath the surface as is necessary or useful in connection therewith, which use may include lateral or slant drilling, boring, digging or sinking of wells, shafts or tunnels, provided, however, that said grantor, its successors and/or 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, as reserved in deed filed for record October 8, 1959 as Instrument No. 86101 of Official Records.

Also, all that portion of Eleventh Street and certain alleys in the Santa Fe Tract, as vacated by the City of Riverside by Resolution dated December 14, 1937 and recorded December 22, 1937 in Book 354 Page 353 of Official Records of Riverside County, California, more particularly described as follows:

That portion of an alley lying between Lot 15, Block 3, and Block 6 of the Santa Fe Tract, as shown by map on file in Book 6 Page(s) 14, of Maps, records of San Bernardino County, California, and also that portion of an alley lying between Lots 4 and 5 on the one side, and Lots 6 and 7 on the other side, Block 5 of the Santa Fe Tract, as shown by Map on file in Book 6 Page(s) 14, records of San Bernardino County, California.

Also, that portion of Eleventh Street lying Westerly of the Easterly line of Lot 14, Block 3, Santa Fe Tract extended Southerly to the Northerly corner Lot 4, Block 5, and lying Easterly of Block 6 of said Santa Fe Tract.

Also, that certain alley in the Santa Fe Tract, as vacated by the City of Riverside by Resolution dated May 28, 1929 and recorded June 11, 1929 in Book 815 Page 518, of Deeds, records of Riverside County, California, more particularly described as follows:

Commencing at the point of intersection of the center line of Howard Avenue with the center line of East 12th Street; thence Northerly along the center line of Howard Avenue to the North property line of East 12th Street and the South line, produced Easterly, of Lot 10, Block 5, Santa Fe Tract, as shown by Map on file in Book 6 Page(s) 14, of Maps, records of San Bernardino County, California; thence Westerly along the Northerly line of East 12th Street and the South line of Lots 10, 9, 8, 7 and 6 said Block 5, Santa Fe Tract to the Southwest corner of said Lot 6, said point being the point of beginning; thence Northerly along the West line of said Lot 6, to the Northwest corner thereof; thence on a direct line across a certain alley in Block 5 said Santa Fe Tract to the Southwest corner of Lot 5, said Block 5, Santa Fe Tract; thence Northerly along the West line of Lot 5 to the Northwest corner thereof and the South line of East 11th Street; thence Westerly on the South line of East 11th Street, Produced Westerly to the East line of Block 6, said Santa Fe Tract; thence Southerly along the said East line of Block 6 to the Southeast corner of said block and the North line of East 12th Street; thence Easterly along the North line of East 12th Street, produced Easterly to the Southwest corner of Lot 6, said Santa Fe Tract and the point of beginning.

Parcel 2: A portion of APN 211-201-006-9

All that portion of Lot(s) 15 in Block 3 and of Lots 5 and 6 in Block 5 of the Santa Fe Tract, as shown by Map on File in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California, described as follows:

The Northeasterly 110 feet of the Northwesterly 30 feet of said Lot 15; the Southwesterly 71.1 feet of the Northwesterly 43 feet of said Lot 15 and the Northwesterly 43 feet of said Lots 5 and 6.

Parcel 3: A portion of APN 211-201-006-9

That portion of the following named streets as shown on Map of Santa Fe Tract, as shown by Map on File in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California, as vacated by the council of the City of Riverside under Resolution No. 3946 of Official Records, dated October 17, 1945, a certified copy of which was recorded October 24, 1945 of Official Records:

The Northeasterly half of Twelfth Streets between the Northeasterly prolongation of the Northwesterly line of Pachappa Avenue and a line parallel with and distant 105 feet Northwesterly from the Northwesterly line of Howard Avenue produced;

Except that portion thereof between the Southwesterly extension of the Northwesterly line of the Southeasterly rectangular 7 feet of Lot 6 in Block 5 of Santa Fe Tract and the Southwesterly extension of the Southeasterly line of the Northwesterly rectangular 25.37 feet of Lot 7 in Block 5 of Santa Fe Tract;

Also excepting therefrom that portion as conveyed to Riverside County Transportation Commission, by documents recorded March 14, 1997 as Instrument Nos. 73057, 73058 of Official Records, more particularly described as follows:

Those portions of Block 6 of the Santa Fe Tract, as shown by Map on File in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California, the Northeasterly half of Twelfth Street (vacated), that certain parcel of land adjacent to Lot 19 in Block 16 of white's addition, as shown by Map on file in Book 6 Page(s) 48, of Maps, Records of San Bernardino County, California, being a portion of that certain parcel of land described in deed recorded in Book 46 Page 537, of Deeds, Records of San Bernardino County, California, all being more particularly described as follows:

Beginning at the intersection of the centerline of said Twelfth Street (vacated) with the Southwesterly prolongation of the Northwesterly line of said Block 6; thence North 28° 55' 29" East, along the Northwesterly line of said Block 6 and its Southwesterly and Northeasterly prolongation thereof, also being the East line of Jurupa Rancho, a distance of 668.36 feet to a point which bears South 28° 55' 29" West, along said line, a distance of 91.40 feet from the Southwesterly line of Tenth Street, 66.00 feet wide, said point being an angle point in the Northwesterly line of said deed recorded in Book 46 Page 537, of Deeds; thence North 43° 00' 01" East along said Northwesterly line, a distance of 91.61 feet; thence South 28° 53' 07" West, a distance of 757.20 feet to the centerline of said Twelfth Street (vacated); thence North 61° 06' 36" West along said centerline, a distance of 22.80 feet to the point of beginning.

Parcel 4: APN: 211-201-039-9

All of Block 6 of the Santa Fe Tract, as shown by Map on File in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California;

Excepting therefrom that portion as conveyed to Riverside County Transportation Commission, a public entity, by documents recorded March 4, 1997 as Instrument Nos. 73057 and 73058 of Official Records, more particularly described as follows:

Those portions of Block 6 of the Santa Fe Tract, as shown by map on file in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California, the Northeasterly half of Twelfth Street (vacated), that certain parcel of land adjacent to Lot 19 in Block 16 of white's addition, as shown by Map on file in Book 6 Page(s) 48, of Maps, thereof, Records of San Bernardino County, California, all being more particularly described as follows:

Beginning at the intersection of the centerline of said Twelfth Street (vacated) with the Southwesterly prolongation of the Northwesterly line of said Block 6; thence North 28° 55' 29" East, along the Northwesterly line of said Block 6 and its Southwesterly and Northeasterly prolongation thereof, also being the East line of Jurupa Rancho, a distance of 668.36 feet to a point which bears South 28° 55' 29" West, along said line, a distance of 91.40 feet from the Southwesterly line of Tenth Street, 68.00 feet wide, said point being an angle point in the Northwesterly line of said deed recorded in Book 46 Page 537 of Deeds; thence North 43° 00' 01" East along said Northwesterly line, a distance of 91.61 feet; thence South 28° 53' 07" West, a distance of 757.20 feet to the centerline of said Twelfth Street (vacated); thence North 61° 06' 36" West, along said centerline, a distance of 22.80 feet to the point of beginning.

Parcel 5: APN: 211-201-004-7

All of Lot(s) 1, 2 and 19 and the Northwesterly 30 feet of Lot 3, all lying within Block 16 of white's addition to Riverside, as shown by Map on file in Book 6 Page(s) 48, of Maps, Records of Riverside County, California.

Also, a parcel of land being a portion of land described in that certain deed dated May 27, 1886, recorded in Book 46 Pages 537, of Deeds, Et Seq, Records of San Bernardino County, said parcel being described as follows:

Beginning at the intersection of the East line of Jurupa Rancho with the South line of white's addition to the City of Riverside, according to map of said addition recorded May 3, 1886 in Book 3, of Maps, Records of San Bernardino County, California; thence Northerly on said Rancho line, a distance of 375.57 feet, more or less, to a point distant 91.40 feet Southerly on said Rancho line from the Southerly line of Tenth Street, 66 feet wide, as now existing; thence Northerly in a direct line a distance of 94.25 feet to a point in said Southern line of Tenth Street distant 22.92 feet Easterly on said Southerly line of Tenth Street from its intersection with said Rancho line; thence Easterly on said Southerly line of Tenth Street, a distance of 57.68 feet to a point in the Eastern line of said land described in the above mentioned deed; thence Southerly on said Easterly land line a distance of 150 feet to an angle point in said Easterly land line; thence Westerly on said land line, a distance of 55.6 feet to an angle point therein; thence Southerly on said land line a distance of 305 feet, more or less, to a point in said South line of white's addition; thence Westerly on said South line, 28.69 feet, more or less, to the point of beginning;

Excepting therefrom that portion as conveyed to Riverside County Transportation Commission, a public entity, by documents recorded March 4, 1997 as Instrument Nos. 73057 and 73058 of Official Records, more particularly described as follows:

Those portions of Block 6 of the Santa Fe Tract, as shown by Map on file in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California, the Northeasterly half of Twelfth Street (vacated), that certain parcel of land adjacent to Lot 19 in Block 16 of white's addition, as shown by map on file in Book 6 Page(s) 48, of Maps, thereof, Records of San Bernardino County, California, being a portion of that certain parcel of land described in deed recorded in Book 46 page 537, of Deeds, Records of San Bernardino County, California, all being more particularly described as follows:

Beginning at the intersection of the centerline of said Twelfth Street (vacated) with the Southwesterly prolongation of the Northwesterly line of said Block 6; thence North 28° 55' 29" East, along the Northwesterly line of said Block 6 and its Southwesterly and Northeasterly prolongation thereof, also being the East line of Jurupa Rancho, a distance of 668.36 feet to a point which bears South 28° 55' 29" West, along said line, a distance of 91.40 feet from the Southwesterly line of Tenth Street, 68.00 feet wide, said point being an angle point in the Northwesterly line of said deed recorded in Book 46 Page 537 of Deeds; thence North 43° 00' 01" East along said Northwesterly line, a distance of 91.61 feet; thence South 28° 53' 07" West, a distance of 757.20 feet to the centerline of said Twelfth Street (vacated); thence North 61° 06' 36" West, along said centerline, a distance of 22.80 feet to the point of beginning;

Except that portion within Block 6 of the Santa Fe Tract on file in Book 6 Page 14, of Maps Records of San Bernardino County, California.

Parcel 6: APN: 211-201-008-1

Lots 5, 6, 7 and in Block 16 of white's addition, as shown by Map on file in Book 5 Page(s) 48, of Maps, Records of San Bernardino County, California;

Except from said Lots 5, 6 and 7 of the Southwesterly 7 ½ feet thereof;

Also except from said Lot 7 of the Southeasterly 15 feet thereof;

Also except from said Lot 7 all that land included within Parcel 4 of a Deed, as granted to the City of Riverside, recorded April 1, 1974 as Instrument No. 36965 of Official Records.

Parcel 7: APN: 211-201-026-7

All of Lot 8 and the Southeasterly 24.63 feet of Lot 7 in Block 5 of the Santa Fe Tract, as shown on the Map of James W. Johnson's survey of said tract recorded December 24, 1887 in Book 6 Page 14, of Maps, Records of San Bernardino County, California;

Except from Lot 8 of Easterly Rectangular 5 feet thereof.

Parcel 8: APN: 211-201-037-7

Lots 11 and 12 in Block 3 of Santa Fe Tract, as shown by Map on file in Book 6 Page(s) 14, of Maps, Records of San Bernardino County, California;

Except from Lot 11 the Northeasterly 7.5 feet;

Also except from Lot 12, the Northeasterly 7.5 feet;

Also except from Lot 11 a parcel of land described as Parcel 3 in a deed to the City of Riverside; recorded April 1, 1974 as Instrument No. 36965 of Official Records;

Also except from Lot 11 a parcel of land described in a deed to the City of Riverside, recorded November 17, 1995 as Instrument No. 385804 of Official Records;

Also except all rights to oil, gas and other hydrocarbon substances and all minerals, in, under and that may be produced from a depth below 500 feet of the surface of said premises, but without a right of entry upon the surface as reserved by Phillips Petroleum Company, in deed recorded August 31, 1973 as Instrument No. 115394 of Official Records. Said interest was assigned to Sackett Oil Company by document recorded October 18, 1993 as Instrument No. 406675 of Official Records.

Parcel 9:

A non-exclusive easement for ingress and egress as created by an easement agreement recorded July 15, 1977 as Instrument No. 133705 and recorded again on August 1, 1977 as Instrument No. 147350 over and across the Northeasterly 18.50 feet of the Southwesterly half of Twelfth Street as shown on the Map of Santa Fe Tract recorded in Book 6, Page 14, of Maps records of San Bernardino County, California, which lies between the Southeasterly line of the Riverside Water Company upper canal and a line parallel with and distant 100 feet Northwesterly from the Northwesterly line of Howard Avenue 50 feet wide as shown on said Map of Santa Fe Tract.

Parcel 10: A Portion of APN: 211-201-007-0

The Southerly 7.50 fee of Lots 5, 6 and 7 and the Easterly 15.00 feet of said Lot 7, all in Block 16 of White's Addition, in the City of Riverside, County of Riverside, State of California, as per Map recorded in Book 6, Page 48 of Maps, in the Office of the County recorder of San Bernardino County, California.

Excepting all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances, as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

Parcel 11:A Portion of APN: 211-201-007-0

The Northerly 7.50 feet of Lot 12 of Block 3 of the Santa Fe Tract, in the City of Riverside, County of Riverside, State of California, as per Map recorded in Book 6, Page 14 of Maps, in the Office of the County recorder of San Bernardino County, California.

Excepting all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances, as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

Parcel 12: A Portion of APN: 211-201-007-0

Lots 3 and 4 in Block 16 of White's Addition, in the City of Riverside, County of Riverside, State of California, as per Map recorded in Book 6, Page 48 of Maps, in the Office of the County recorder of San Bernardino County, California.

Except from said Lot 3 the Northwesterly 30.00 feet thereof.

Also except all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances, as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

Parcel 13: A Portion of APN: 211-201-007-0

Lots 13, 14 and 15 in Block 3 of the Santa Fe Tract, in the City of Riverside, County of Riverside, State of California, as per Map recorded in Book 6, Page 14 of Maps, in the Office of the County recorder of San Bernardino County, California.

Except from said Lots 14 and 15 those portions thereof described as follows:

Commencing at the intersection of the Northeasterly prolongation of a line that is parallel with and distant Southeasterly 43.00 feet, measured at right angles from the Northwesterly line of Block 5 of said Santa Fe Tract, with the Southwesterly line of said Block 3;
Thence Northeasterly along said Northeasterly prolongation to a line that is parallel with and distant Northeasterly 71.10 feet, measured at right angles from the Southwesterly line of said Block 3;
Thence Northwesterly along said last mentioned parallel line, 13.00 feet to a point in a line that is parallel with and distant Southeasterly 30.00 feet, measured at right angles from the Northwesterly line of said Block 3;
Thence Northeasterly along said last mentioned parallel line 95.00 feet to the true point of beginning;
Thence Southeasterly at right angles from the last described course 60.00 feet to a line that is parallel with and distant Southeasterly 90.00 feet, measured at right angles from said Northwesterly line of said Block 3;
Thence Southwesterly along said last mentioned parallel line to said Southwesterly line of said Block 3;
Thence Northwesterly along said Southwesterly line to the most Westerly corner of said Block 3;
Thence Northeasterly along the Northwesterly line of said Block 3 to the most Northerly corner of said Block 3;
Thence Southeasterly along the Northeasterly line of said Block 3 to a line that is parallel with and distant Southeasterly 30.00 feet, measured at right angles from the Northwesterly line of said block 3;
Thence Southwesterly along said last mentioned parallel line to the true point of beginning.

Also except all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances, as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

Parcel 14: A Portion of APN: 211-201-007-0

Lots 3 and 4 in Block 5 of the Santa Fe Tract, in the City of Riverside, County of Riverside, State of California, as per Map recorded in Book 6, Page 14 of Maps, in the Office of the County recorder of San Bernardino County, California.

Except from said Lot 4 that portion thereof lying Northwesterly of the Southwesterly prolongation of a line that is parallel with and distant Southeasterly 90.00 feet measured at right angles from the Northwesterly line of Block 3 of said Santa Fe Tract.

Also except all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances, as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

Parcel 15: A Portion of APN: 211-201-007-0

That portion of 11th Street, 66.00 feet wide, in the City of Riverside, County of Riverside, State of California, as shown on the Map of the Santa Fe Tract, recorded in Book 6, Page 14 of Maps, in the Office of the County recorder of San Bernardino County, California, closed and vacated by Resolution No. 3126 recorded on December 22, 1937 in Book 354, Page 353 of Official Records, of the City of Riverside.

Except that portion thereof lying Northwesterly of the Southwesterly prolongation of a line that is parallel with and distant Southeasterly 90.00 feet, measured at right angles from the Northwesterly line of Block 3 of said Santa Fe Tract.

Also except all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

Parcel 16: A Portion of APN: 211-201-007-0

That portion of 11th Street, 66.00 feet wide, in the City of Riverside, County of San Bernardino, State of California, as shown on the

Map of Santa Fe Tract, recorded in Book 6, Page 14 of Maps, in the Office of the County recorder of San Bernardino County, California, vacated by Resolution No. 8775 of the City of Riverside, recorded on December 28, 1959 as Instrument No. 109593, in the Office of the County recorder of said County of Riverside.

Excepting all minerals and mineral rights, interests, and royalties, including, without limiting, the generality thereof, oil, gas and other hydrocarbon substances, as well as metallic or other solid minerals, in and under the property; however, grantor or its successors and assigns, shall not have the right for any purpose whatsoever to enter upon, into or through the surface of the property in connection therewith, as reserved in the deed recorded December 28, 1995 as Instrument No. 433019 Official Records.

PACIFIC COAST TITLE COMPANY

DOC # 2014-0114952
03/28/2014 04:23 PM Fees: $28.00
Page 1 of 2 Doc T Tax Paid
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

RECORDING REQUESTED BY:
Pacific Coast Title Company
Order No. **92221233**
Escrow No. **45852-KR**
Parcel No. **211-201-027**

AND WHEN RECORDED MAIL TO:

ABRAHAM AGOSTO
3021 12TH STREET
RIVERSIDE, CA 92507

This document was electronically submitted to the County of Riverside for recording
Receipted by: MCASTRO

TRA: 009-005

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

THE UNDERSIGNED GRANTOR(S) DECLARE(S) THAT DOCUMENTARY TRANSFER TAX IS **$227.70** and CITY **$227.70**

- ☒ computed on full value of property conveyed, or
- ☐ computed on full value less liens or encumbrances remaining at the time of sale.
- ☐ unincorporated area: ☒ **Riverside**, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,
Jorge A. Franco, a single man

hereby GRANT(S) to **Abraham Agosto and Angelica Agosto,** husband and wife as joint tenants

the following described real property in the County of **Riverside**, State of **California**:

The Easterly 5 feet of Lot 8 and the Westerly 40 feet of Lot 9 in Block 5 of the Santa Fe Tract, as shown by map on file in Book 6 Page 14 of Maps, in the office of the County Recorder of Said County.

Jorge A. Franco

Jorge A. Franco

Date March 6, 2014

STATE OF CALIFORNIA }
}S.S.
COUNTY OF ORANGE }

On March 21, 2014, before me, Eduardo Sanchez Serrano, Notary Public
Notary Public, personally appeared **Jorge A. Franco** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

EDUARDO SANCHEZ-SERRANO
COMM. # 2046370
NOTARY PUBLIC CALIFORNIA
ORANGE COUNTY
My comm. expires Oct. 21, 2017

Mail Tax Statement to: SAME AS ABOVE or Address Noted Below

GOVERNMENT CODE 27361.7

I certify under penalty of perjury that the Notary Seal on the document to which this statement is attached reads as follows:

NAME OF THE NOTARY: EDUARDO CANCHEZ-SERRANO

DATE COMMISSION EXPIRES: OCT 21. 2017

COUNTY WHERE BOND IS FILED: ORANGE

COMMISSION NUMBER: 2046370 VENUE: WMD2

I certify under penalty of perjury and the laws of the State of California that the illegible portion of this document to which this statement is attached reads as follows:

PLACE OF EXECUTION: ORANGE DATE: 3-28-14

SIGNATURE:

- Personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or entity upon behalf of which the person(s) acted, executed the instrument.

Order No.
Escrow No.
Loan No.

WHEN RECORDED MAIL TO:

Bruce D. Varner, Esq.
Varner & Brandt LLP
3750 University Avenue, #610
Riverside, CA 92501

DOC # 2006-0408016
06/06/2006 08:00A Fee:7.00
Page 1 of 1 Doc T Tax Paid
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

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SPACE ABOVE THIS LINE FOR RECORDER'S USE

DOCUMENTARY TRANSFER TAX $ 160.60

...X..Computed on the consideration or value of property less than $100,000;

.....Computed on the consideration or value less liens or encumbrances remaining at time of sale.

Varner, & Brandt LLP

By: Bruce D. Varner
Bruce D. Varner, Partner

Signature of Declarant or Agent determining tax - Firm Name

8.

C
W

APN# 211-201-030
TRU-0009.

GRANT DEED

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

POMA DISTRIBUTING COMPANY INC., a California Corporation

hereby GRANTS to

3010 STREET, LLC, a California Limited Liability Company

the real property in the City of Riverside, County of Riverside, State of California, described as

LOTS 1 AND 2, BLOCK 5, SANTA FE TRACT, AS PER MAP RECORDED IN BOOK 6, PAGE 14 OF MAPS, RECORDS OF RIVERSIDE COUNTY.

Dated: May 31, 2006

POMA DISTRIBUTING COMPANY, INC., a California corporation

Michael G. Poma, President

STATE OF CALIFORNIA }
COUNTY OF RIVERSIDE } ss
}

On MAY 31, 2006 before me, PHILIPPA ANN JUMP a Notary Public, personally appeared Michael G. Poma, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Philippa Ann Jump

PHILIPPA ANN JUMP
Commission # 1646441
Notary Public - California
Riverside County
My Comm. Expires Mar 7, 2010

(This area for official notarial seal)

ACTIVITY AND USE LIMITATION (AULS) EXHIBITS

RECORDING REQUESTED BY:

MLM Properties, LLC.
3084 East 10th Street
Riverside, California 92507

WHEN RECORDED, MAIL TO:

Department of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311
Attention: Tedd Yargeau

DOC # 2012-0305488
07/02/2012 12:57P Fee:66.00
Page 1 of 18
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

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					T:		CTY	UNI	158

C
508

COVENANT TO RESTRICT USE OF PROPERTY

ENVIRONMENTAL RESTRICTION

Re: County of Riverside, Assessor's Parcel Numbers: northern, southern, and western portions of 211-201-004; and portions of 211-201-039, 10th Street and Howard, Riverside, CA 92507

This Covenant and Agreement ("Covenant") is made by and between MLM Properties, LLC (the "Covenantor"), the current owner of the property situated in the City of Riverside, County of Riverside, State of California, and the State of California Department of Toxic Substances Control (the "Department"). The subject property of the Covenant is described in the attached documents Exhibit "A", "Legal Description" and Exhibit "B", Sheets 1 of 2 and 2 of 2, and incorporated herein by this reference (the "Property"), Pursuant to Civil Code section 1471, the Department has determined that this Covenant is reasonably necessary to protect present or future human health or safety or the environment as a result of the presence on the Property of hazardous materials as defined in Health and Safety Code section 25260. The Covenantor and the Department, collectively referred to as the "Parties" hereby agree that the use of the Property be restricted as set forth in this Covenant; and the Parties further agree that the

Covenant shall conform with the requirements of the California Code of Regulations, Title 22, Section 67391.1.

ARTICLE I

STATEMENT OF FACTS

1.01 The Property consists of two parcels, which totals 19,556 square feet in area per County of Riverside Assessor records, and is depicted in Exhibit "B", attached hereto and incorporated herein by this reference. The current use of the Property is as a storage lot for automobiles and recreational vehicles. The Property is located west of Howard Street and is generally bounded by 10th Street to the northeast, by railroad tracks to the west and a historical manufacturing building to the south. The Property is generally located within the boundaries of County of Riverside Assessor Parcel Number(s) ("APN") 211-201-004 and 211-201-039.

1.02 The Property is part of the location of a former manufactured gas plant operated by predecessors of Southern California Gas Company (Gas Company) from approximately 1888 to 1911. A Voluntary Cleanup Agreement was entered into between the Department and the Gas Company on July 18, 2001. The Property was remediated pursuant to a final Remedial Action Plan (RAP) prepared by the Gas Company consultant Parsons under Chapter 6.8 of division 20 of the Health and Safety Code. A fact sheet describing the project was published and a public meeting was held in July 2007. Comments were subsequently received and addressed in the RAP. The RAP was dated October 15, 2007, approved by the Department, and implemented for the Property under the oversight of the Department. The RAP provided that land use restrictions be available as part of final remediation because contaminants such as volatile organic compounds, polycyclic aromatic hydrocarbons, and total petroleum hydrocarbons remain in soils under certain inaccessible parts of the Property. The contaminants are hazardous substances as defined in the Health and Safety Code section 25316, and hazardous materials as defined in Health and Safety

Code section 25260. In accordance with the approved documents, the Property was excavated to depths up to 52 feet below ground surface in areas where contamination existed; then graded and backfilled with clean soil. No excavation of soils was conducted beneath historical existing structures located on the Property that would be damaged by such activity.

1.03 As described in the final Remedial Action Completion Report, certain areas beneath the Property contain hazardous substances as defined in Health and Safety Code section 25316 above levels suitable for unrestricted use. The Department determined that the Property, as remediated and subject to the Environmental Restrictions set forth in this Covenant, does not present an unacceptable threat to human safety or the environment and is not subject to further remediation provided that a cover or other acceptable means to DTSC that precludes contact with underlying impacted soils.

ARTICLE II

DEFINITIONS

2.01 Department. "Department" means the State of California Department of Toxic Substances Control and its successor agencies, if any.

2.02 Environmental Restrictions. "Environmental Restrictions" means all protective provisions, covenants, restrictions, prohibitions, and terms and conditions as set forth in any section of this Covenant.

2.03 Improvements. "Improvements" includes, but are not limited to: buildings, structures, roads, driveways, improved parking areas, wells, pipelines, or other utility installations.

2.04 Lease. "Lease" means lease, rental agreement, or any other document that creates a right to use or occupy any portion of the Property.

2.05 Occupant. "Occupant" means Owners and any person or entity entitled by ownership, leasehold, or other legal relationship to the right to occupy any portion of the Property.

2.06 Owner. "Owner" means the Covenantor and its successors in interest, including heirs and assigns, who at any time hold title to all or any portion of the Property.

ARTICLE III

GENERAL PROVISIONS

3.01 Runs With the Land. This Covenant sets forth Environmental Restrictions that apply to and encumber the Property and every portion thereof no matter how it is improved, held, used, occupied, leased, sold, hypothecated, encumbered, or conveyed. This Covenant: (a) runs with the land pursuant to Health and Safety Code section 25355.5(a)(1)(C) and Civil Code section 1471; (b) inures to the benefit of and passes with each and every portion of the Property, (c) is for the benefit of, and is enforceable by the Department, and, (d) is imposed upon the entire Property unless expressly stated only applicable to a specific portion thereof.

3.02 Binding upon Owners/Occupants. Pursuant to Health and Safety Code section 25355.5(a)(1)(C), this Covenant binds all Owners and Occupants of the Property. Pursuant to Civil Code section 1471, all successive owners of the Property are expressly bound hereby for the benefit of the Department.

3.03 Written Notice of the Presence of Hazardous Substances. Prior to the sale, lease or sublease of the Property, or any portion thereof, the Owner and/or Occupant shall give the buyer, lessee, or sublessee written notice that hazardous substances are located on or beneath the Property, as required by Health and

Safety Code section 25395.7, and notice of the existence of this Covenant and its Environmental Restrictions.

3.04 Incorporation into Deeds and Leases. This Covenant and its Environmental Restrictions shall be incorporated by reference in each and every deed and Lease for any portion of the Property.

3.05 Conveyance of Property. The Owner shall provide written notice to the Department not later than 30 days after any conveyance of any ownership interest in the Property (excluding mortgages, liens, and other non-possessory encumbrances). The written notice shall include the name and mailing address of the new owner of the property and shall reference the site name and site code as listed on page one of this Covenant. The notice shall also include the APN noted on page one. If the new owner's property has been assigned a different APN, each such APN that covers the Property must be provided. The Department shall not, by reason of this Covenant, have authority to approve, disapprove, or otherwise affect proposed conveyance except as otherwise provided by law, by administrative order, or by a specific provision of this Covenant.

3.06 Costs of Administering the Covenant to be paid by Southern California Gas Company and its Successors. The terms of this Covenant run with the land and will continue in perpetuity unless a variance is granted pursuant to section 6.01, or unless terminated pursuant to section 6.02. The Department has incurred and will in the future incur costs associated with the administration of this Covenant. Southern California Gas Company shall pay the costs incurred by the Department for administrative oversight of the Covenant and for review of the Annual Status Reports pursuant to Section 4.05.

ARTICLE IV

RESTRICTIONS

4.01 Prohibited Uses. The Property shall only be used for industrial and commercial uses. The Property shall not be used for any of the following purposes:

(a) A residence, including any mobile home or factory built housing, constructed or installed for use as residential human habitation.

(b) A hospital for humans.

(c) A public or private school for persons under 21 years of age.

(d) A day care center for children.

(e) Any other similar sensitive uses resulting in the indoor habitation of humans for greater than twelve hours per day.

4.02 Soil Management

(a) No activities (e.g. planting, utility line installation, excavation, boring, grading, removal, trenching and filling) that disturb soil shall be allowed on the Property without prior written approval of a soil management plan by the Department. In general, the Property comprises the areas where soil removal activity did not occur, or beneath historical structures. Information regarding the locations that were remediated and from which hazardous materials were removed can be found in the Remedial Action Completion Report on DTSC's website located at:

http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=33490085.

(b) Any contaminated soils brought to the surface by grading, excavation, trenching or backfilling shall be managed in accordance with all applicable provisions of state and federal law.

(c) The Owner shall provide the Department written notice at least fourteen (14) days prior to any building, filling, grading or excavating at the Property.

4.03 Access to the Property. The Department, and entities administering long term monitoring, if necessary, shall have reasonable right of entry and access to the Property for inspection, monitoring, operation, maintenance, repair, and other activities consistent with the purposes of this Covenant as deemed necessary by the Department in order to protect the public health or safety, or the environment.

4.04 Non-Interference with Groundwater Monitoring Wells.

(a) Activities that may disturb, alter, damage, or destroy groundwater monitoring wells on the Property shall be prohibited unless authorized in writing by the Department. Any unauthorized damage to a groundwater monitoring well resulting from intentional or negligent acts or omissions of the Owner and/or Occupant constitutes a violation of this Covenant.

(b) All uses and development of the Property shall preserve the integrity and physical accessibility of the groundwater monitoring wells on the Property.

(c) The Owner and/or Occupant, as applicable, shall notify the Department of any damage caused by such Owner or Occupant, as applicable, to a groundwater monitoring well on the Property, including information on the date of damage and the nature of the damage. Notification to the Department shall be made, as provided below, within ten (10) working days of discovery of the damage.

4.05 Inspection and Reporting Requirements. No more often than once a year from the effective date of this covenant, and annually thereafter, Owner(s) or their agents(s) shall submit an Annual Status Report to the Department certifying whether the Owner is in compliance with the use restrictions specified in Section 4.01 of this covenant. The Owner(s) shall submit the Annual Status Report to: Tedd Yargeau, Department of Toxic Substances Control, Brownfields and

Environmental Restoration Program, Chatsworth Office, or his successor. The requirement to submit an Annual Status Report shall continue in effect during the term of this covenant and may not be terminated except in accordance with Section 6.02. The requirement to submit an Annual Status Report applies to the Covenantor at any time the Covenantor holds title to all or any portion of the Property.

The Owner(s) shall include in the Annual Status Report either Statement (1) or Statement (2):

Statement (1): The undersigned is the Owner of the Property subject to this Covenant, and hereby certifies that such Property has not been used for any of the purposes listed in Section 4.01 during the past year and is not currently being used for any of those purposes.

Statement (2): The undersigned is the Owner of Property subject to this Covenant, and hereby admits that such Property has been used for one or more of the purposes listed in Section 4.01 during the past year.

ARTICLE V

ENFORCEMENT

5.01 Enforcement. Failure of the Owner or Occupant to comply with this Covenant shall be grounds for the Department to require modification or removal of any Improvements constructed or placed upon any portion of the Property in violation of this Covenant. Additionally, the Department may pursue all available administrative, civil, or criminal actions if the Owner or Occupant violates this Covenant, including a failure to submit a required statement or submission of a false statement.

ARTICLE VI

VARIANCE, TERMINATION, AND TERM

6.01 Variance. Any Owner, or with the Owner's written consent, any Occupant of the Property or any portion of the Property may apply to the Department for a written variance from the provisions of this Covenant. Such application shall be made in accordance with Health and Safety Code section 25233.

6.02 Termination. Any Owner or with the Owner's written consent, any Occupant of the Property or any portion of the Property may apply to the Department for a termination or modification of one or more terms of this Covenant as they apply to all or any portion of the Property. Such application shall be made in accordance with Health and Safety Code section 25234.

6.03 Term. Unless ended in accordance with paragraph 6.02, by law, or by the Department in the exercise of its discretion, this Covenant shall continue in effect in perpetuity.

ARTICLE VII

MISCELLANEOUS

7.01 No Dedication Intended. Nothing set forth in this Covenant shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Property, or any portion thereof to the general public or anyone else for any purpose whatsoever.

7.02 Department References. All references to the Department include successor agencies/departments or other successor entity.

7.03 Recordation. The Covenantor shall record this Covenant, with the referenced Exhibits, in the County of Riverside within 10 days of the Covenantor's receipt of a fully executed original.

7.04 Notices. Whenever any person gives or serves any Notice ("Notice" as used herein includes any demand or other communication with respect to this Covenant), each such notice shall be in writing and shall be deemed effective: (1) when delivered, if personally delivered to the person being served or to an officer of a corporate party being served, or (2) three (3) business days after deposit in the mail, if mailed by US Mail, postage paid, certified, return receipt requested:

To Owner: MLM Properties, LLC

M. Lewis Cardey
MLM Properties, LLC
P.O. Box 288
Riverside, California 92502

To Department:

Tedd Yargeau
Senior Scientist
Department of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, California 91311

Any party may change its address or the individual to whose attention a Notice is to be sent by giving written Notice in compliance with this Paragraph.

7.05 Partial Invalidity. If this Covenant or any of its terms are determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

7.06 Statutory References. All statutory references include successor provisions.

IN WITNESS WHEREOF, the Parties execute this Covenant.

Covenantor: MLM Properties, LLC

By: M Lewis Cardey

Name and Title: M. Lewis Cardey, Managing Member
MLM Properties, LLC

Date: May 23 2012

State of ~~California~~ California
Department of Toxic Substances Control

By: T.E.

Name and Title: Tedd Yargeau, Senior Scientist
Department of Toxic Substances Control

Date: 6-01-12
~~5-31-12~~

SEE ATTACHED
FOR OFFICIAL
ACKNOWLEDGEMENT
Jan Scot, Notary Public

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of RIVERSIDE

On May 23, 2012 (Date) before me, Cheryl L. VanLancker, Notary Public (Here Insert Name and Title of the Officer),

personally appeared M. Lewis Carney (Name(s) of Signer(s)),

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

CHERYL L. VANLANCKER
Commission # 1862812
Notary Public - California
Riverside County
My Comm. Expires Sep 23, 2013

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: (Signature of Notary Public)

Place Notary Seal and/or Stamp Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Individual
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Individual
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

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State of California)

County of SAN DIEGO)

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

On JUNE 1st, 2012 before me, JON SCOTT, NOTARY PUBLIC,
(here insert name and title of the officer)

personally appeared TEDD YARBEAU

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

JON SCOTT
COMM. # 1891830
NOTARY PUBLIC - CALIFORNIA
SAN DIEGO COUNTY
MY COMM. EXP. JUN. 5, 2014

WITNESS my hand and official seal.

Signature

(Seal)

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of COVENANT TO RESTRICT USE OF PROPERTY, ENVIRONMENTAL RESTRICTION.

containing 14. pages, and dated 6-1-12.

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
- ☐ Attorney-in-Fact
- ☐ Corporate Officer(s) _____ Title(s)
- ☐ Guardian/Conservator
- ☐ Partner - Limited/General
- ☐ Trustee(s)
- ☐ Other:

representing: _____ Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:
○ form(s) of identification ○ credible witness(es)

Notarial event is detailed in notary journal on:
Page # _____ Entry # _____

Notary contact: _____

Other

☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)

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EXHIBIT 'A'

LEGAL DESCRIPTION

Parcel 'A'

That portion of Block 16 of Map of Whites Addition, filed in Book 6, page 48, of Maps, Records of San Bernardino County, also a portion of Parcel 5 as described in Grant Deed recorded April 28, 1995 as Instrument No. 135808, Official Records of Riverside County, located in the City Riverside, County of Riverside, State of California, more particularly described as follows;

Commencing at the intersection of the centerline of Commerce Street with the centerline of Tenth Street, both as shown on Record of Survey, filed in Book 72, Page 51, Records of Riverside County;

Thence along the centerline of said Tenth Street South 60°14'31" East 133.47 feet;

Thence South 29°45'29" West 33.00 feet to the southwesterly line of said Tenth Street to a point hereinafter referred to as **Point 'A'** and the **Point of Beginning**;

Thence South 29°45'29" West 45.00 feet to a line parallel with and distant 45.00 feet southwesterly from said southwesterly line;

Thence along said parallel line North 60°14'31" West 91.17 feet;

Thence North 29°45'29" E 2.00 feet;

Thence North 60°14'31" West 95.65 feet;

Thence North 29°45'29" East 43.00 feet to said southwesterly line;

Thence along said southwesterly line South 60°14'31" East 186.83 feet to the **Point of Beginning;**

The above described parcel contains 8,216 square feet (0.19 acres) more or less.

This legal description is not intended for use in the division and/or conveyance of land in violation of the subdivision map act of the State of California.

Parcel 'B'

That portion of Block 16 of Map of Whites Addition, filed in Book 6, page 48, of Maps, Records of San Bernardino County, also a portion of Block 6 of Map of the Santa Fe Tract, filed in Book 6, page 14, of Maps, Records of San Bernardino County, also a portion of Parcels 4 and 5 as described in Grant Deed recorded April 28, 1995 as Instrument No. 135808, Official Records of Riverside County, located in the City Riverside, County of Riverside, State of California, more particularly described as follows;

Commencing at the above mentioned **Point 'A'**;

Thence along said southwesterly line of Tenth Street South 60°14'31" East 17.95 feet to the southeasterly line of said Parcel 5;

Thence along said southeasterly line South 29°43'16" West 150.08 feet to the southwesterly line of said Parcel 5;

Thence along said southwesterly line North 60°13'37" West 208.50 feet to the **Point of Beginning**;

Thence South 29°46'23" West 83.90 feet;

Thence South 60°13'37" East 12.16 feet;

Thence South 29°46'23" West 24.28 feet;

Thence South 60°13'37" East 102.84 feet;

Thence South 29°46'23" West 88.93 feet;

Thence North 60°13'37" West 44.97 feet;

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Thence North 29°46'23" East 28.93 feet;

Thence North 60°13'37" West 20.95 feet;

Thence North 24°14'57" West 81.59 feet;

Thence North 29°46'23" East 101.13 feet;

Thence North 60°13'37" West 5.50 feet;

Thence North 29°46'23" East 84.68 feet;

Thence South 60°13'37" East 22.44 feet;

Thence South 29°46'23" West 65.56 feet to the **Point of Beginning;**

The above described parcel contains 11,341 square feet (0.26 acres) more or less.

This legal description is not intended for use in the division and/or conveyance of land in violation of the subdivision map act of the State of California.

PROFESSIONAL LAND SURVEYOR
Sean M. Smith
No. 8233
STATE OF CALIFORNIA

Prepared under the direction of:

Sean M. Smith, PLS 8233

4/5/2012
Date

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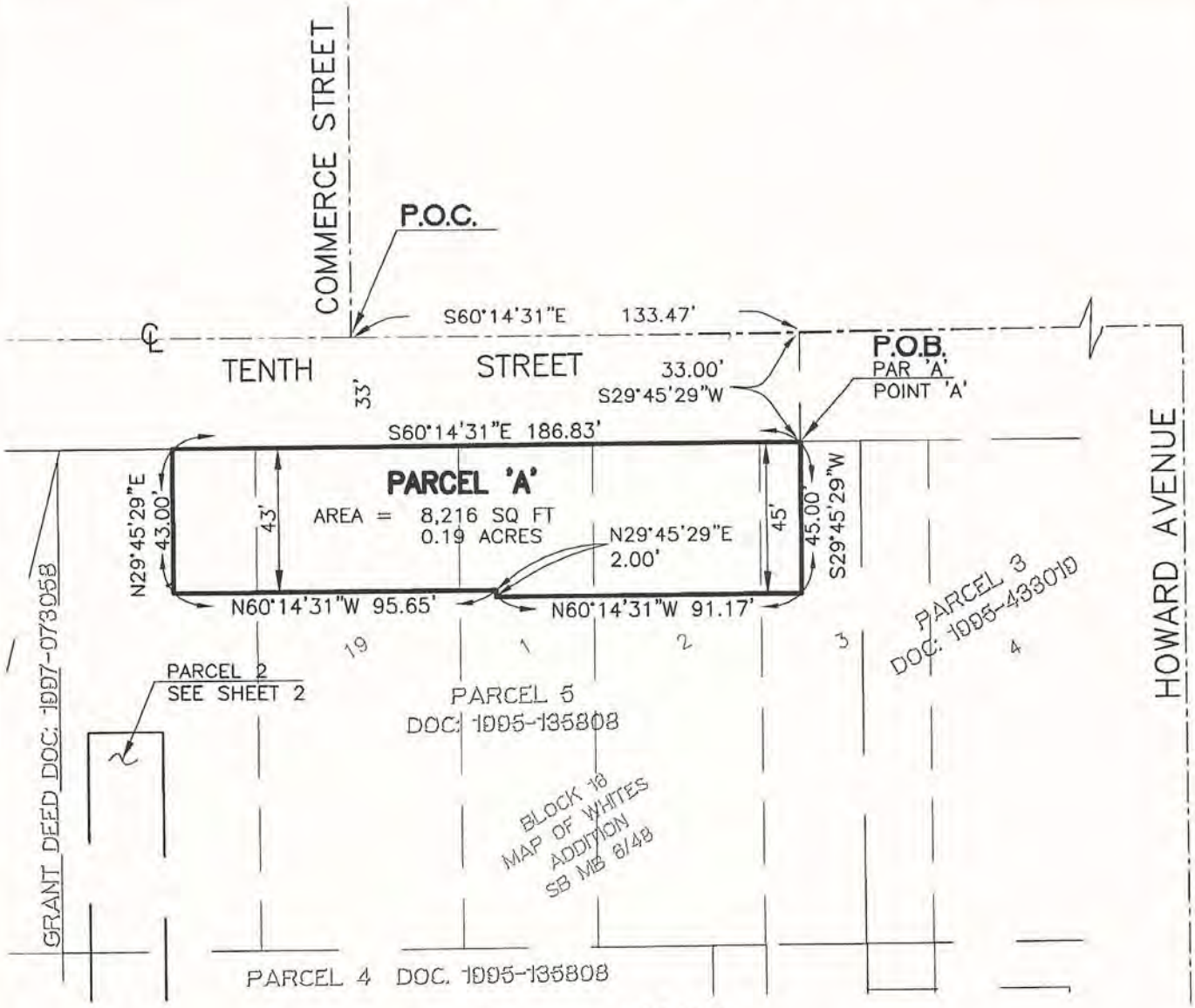


LEGEND

P.O.C. POINT OF COMMENCEMENT

P.O.B. POINT OF BEGINNING

INDICATES PROPOSED BOUNDARY

INDICATES CENTERLINE

PROFESSIONAL LAND SURVEYOR
SEAN M. SMITH
No. 8233
STATE OF CALIFORNIA

THIS EXHIBIT WAS PREPARED UNDER MY DIRECTION:

4/5/2012

SEAN M. SMITH DATE

0' 25' 50'

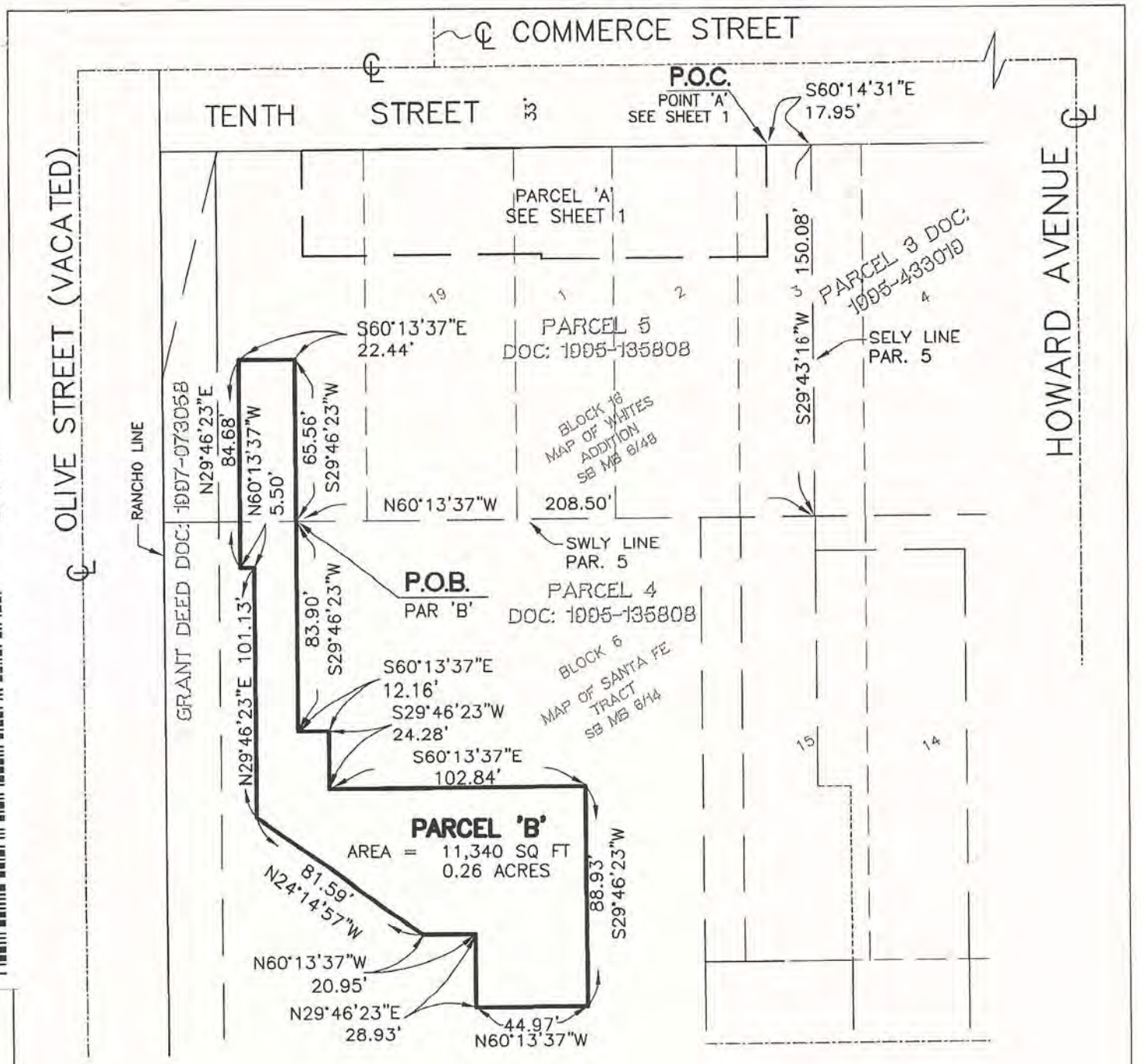
SCALE: 1"=50'

EXHIBIT "B"

SHEET 1 OF 2

PSOMAS
1500 Iowa Avenue, Suite 210
Riverside, Ca 92507
(751) 782-8421 www.psomas.com

SCALE	1" = 50'
DRAFTED	AAP
CHECKED	SMS
DATE	MARCH 16, 2012
JOB NUMBER	4PAR010100



LEGEND

P.O.C. POINT OF COMMENCEMENT

P.O.B. POINT OF BEGINNING

INDICATES PROPOSED BOUNDARY

INDICATES CENTERLINE

0' 30' 60'

SCALE: 1"=60'

EXHIBIT "B"

SHEET 2 OF 2

PSOMAS
1500 Iowa Avenue, Suite 210
Riverside, Ca 92507
(751) 782-8421 www.psomas.com

SCALE	1" = 60'
DRAFTED	AAP
CHECKED	SMS
DATE	MARCH 16, 2012
JOB NUMBER	4PAR010100

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07/02/2012 12:57P
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APPENDIX F

Vapor Encroachment Screening

Phase I Environmental Site Assessment Vapor Encroachment Conditions (VEC) matrix includes a (1) Search Radius Test, (2) Chemicals of Concern (COC) Test, and (3) a Critical Distance Test [1].

(1) Search Radius Test: Are there known or suspect contaminated properties in the primary area of concern within the corresponding search radii?

☒ **Yes** ☐ **No** If **No**, then screening for a VEC is complete and no VEC currently exists, go to #4. If **Yes**, then:

(2) Chemicals of Concern Test: Are COCs likely to be present within the area of concern for those known or suspect contaminated sites identified based on the Search Distance Test?

☒ **Yes** ☐ **No** If **No**, then screening for a VEC is complete and no VEC currently exists, go to #4. If **Yes**, then:

(3) Critical Distance Test: A plume test to determine whether or not COCs in the contaminated plume(s) may be within the critical distance.

☒ **Yes** ☐ **No** (3a) Is information related to the contaminated plume(s) available (i.e. isoconcentration maps, site drawings, etc.)?
(3b) If **No**, then a VEC cannot be ruled out; check **Yes** in #4 below indicating it is likely a VEC exists. If **Yes**, then:

☒ **Yes** ☐ **No** (3c) Is the site less than 100 feet to the nearest edge of a contaminated [non-petroleum hydrocarbon] plume(s)? If **Yes**, then check **Yes** in #4 below indicating it is likely a VEC exists.

☒ **Yes** ☐ **No** (3d) Is the site less than 30 feet to the nearest edge of a dissolved petroleum hydrocarbon plume(s)? If **Yes**, then check **Yes** in #4 below indicating it is likely a VEC exists.

If the distance from the nearest edge of a contaminated plume to the nearest existing or planned structure on the site is less than 100 feet for non-petroleum hydrocarbon COC, or less than 30 feet for dissolved petroleum hydrocarbons, then it is presumed that a VEC currently exists beneath the site. If the distance from the nearest edge of the contaminated plume is greater than or equal to 100 feet for non-petroleum hydrocarbons, or 30 feet for dissolved petroleum hydrocarbon chemicals of concern, then it is presumed unlikely that a VEC currently exists beneath the site.

(4) Is it likely that a VEC currently exists beneath the site?

☒ **Yes** ☐ **No** If **No**, then the VEC screening is complete and no further investigation is recommended at this time. If **Yes**, Ninyo & Moore recommends performing additional assessment, such as a Tier 2 VEC assessment according to ASTM E 2600-10.

[1] Based on guidance presented in the ASTM E 2600-10 Standard.

APPENDIX G

Qualification of the Environmental Professionals

JOHN JAY ROBERTS, PG, CEG

SENIOR GEOLOGIST

EDUCATION

B.S., Geology, 1973, University of Southern California

REGISTRATIONS AND CERTIFICATIONS

PG 3489 (California)

CEG 1018 (California)

EXPERIENCE HIGHLIGHTS

Environmental Assessments for Schools

Human Health Risk Screening Evaluations for School Sites

Environmental and Geotechnical Services for Redevelopment of an Existing School Site

Brownfields Clean-up Grant Application for Industrial Property

Environmental Services for a New High School

Pipeline Risk Analyses

Groundwater Discharge Evaluation for Dewatering Subdrain

Environmental Assessment for Redevelopment of a Commercial Site

Environmental Consulting Services for Commercial, Industrial, and Residential Properties

Redevelopment of Former Lockheed B-1 Facility

Hazardous Waste Landfill Expansion

Hazardous Waste Ponds Investigations

Geological Logging and Coordination During the Installation of Three Groundwater Production Wells

Hydrogeological Assessment Report

PROFESSIONAL AFFILIATIONS

Association of Engineering Geologists

National Groundwater Association

As a Senior Geologist, Mr. Jay Roberts has extensive experience performing environmental and geotechnical investigations of commercial and industrial properties and environmental site assessments of school sites, including Initial Site Assessments (ISAs), Hazardous Materials Assessments (HMAs), Phase Is, Phase IIs, PEA, SSI, RAW, RAP, and O&M plans. Mr. Roberts has completed characterization, remediation, and human health assessments on numerous properties. He has prepared successful applications for Brownfields clean-up grants and managed and performed hydrogeologic investigations, groundwater resource evaluations, and water supply studies. He also provides expert witness and litigation support for environmental, geotechnical, and mining matters.

REPRESENTATIVE PROJECT EXPERIENCE

Initial Site Assessment Ball Road Grade Separation, Anaheim, California: Technical Director for an ISA for the Ball Road Grade Separation Project in Anaheim. The project includes evaluation of alternatives for Ball Road at the interchange with the Metrolink/SCRRA Railroad rail crossing. The ISA included review of historical sources for previous uses iinvolvi9ng hazardous wastes, regulatory agency databases research, and site reconnaissance to view for indications of potential hazardous waste impact on facilities along the proposed alignments.

Initial Site Assessment Raymond Avenue Grade Separation, Fullerton, California: Technical Director for an ISA and ADL for the Raymond Avenue Grade Separation Project in Fullerton. The project includes the lowering of Raymond Avenue to create an underpass at the Burlington Northern Santa Fe (BNSF) rail crossing. The Project in-progress will include an ADL Survey and subsurface investigation for suspected impacts in the exposed soil areas along Raymond and Valencia Avenues.

Initial Site Assessment State College Boulevard Separation and ADL Survey, Fullerton, California: Technical Director for an ISA and ADL for the State College Boulevard Separation Project in Fullerton. The project involves the lowering of State College Boulevard to create an underpass at the Burlington Northern Santa Fe (BNSF) rail crossing. The Project includes an ADL Survey in the exposed soil areas along State College Boulevard.

Initial Site Assessment Mount Vernon Avenue Bridge Expansion, San Bernardino, California: Technical Director for an ISA for the Mount Vernon Bridge Expansion project. The Project involved research and review of historical documents into property uses dealing back into the early 1900's due to long history of the site usage as a railroad hub. The records reviewed consisted of environmental investigations, remedial activities, and contaminated groundwater. Regulatory agencies representatives were also contacted for specifics on current states of remedial activities at impacted sites within the influence of the Project.

Initial Site Assessment Milliken Avenue, Mission Boulevard, and Philadelphia Street, Ontario, California: Technical Director for an ISA and ADL for the proposed grade separation at the existing at-grade crossing of South Milliken Avenue and the Union Pacific Railroad (UPRR) in Ontario, California. The Project includes an ADL survey to be performed adjacent to Milliken Avenue, Mission Boulevard, and Philadelphia Street to evaluate surface and subsurface soil for the presence and concentration of ADL in proposed roadway improvement areas.

Phase I Environmental Site Assessments, Tehachapi Renewable Transmission Project, Kern County, California for Southern California Edison (SCE): Project Manager for Phase I Environmental Site Assessments (ESAs) for 10 separate Sites in Kern County, California for Southern California Edison (SCE) for the Tehachapi Renewable Transmission Project. The Phase I ESAs were performed in accordance with the ASTM International (ASTM), Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process Designation E 1527-05 and Practices for All Appropriate Inquiries (AAI) as set forth in the Code of Federal Regulations (CFR), Title 40, Part 312. In order to meet the accelerated schedule for the project, the 10 separate Phase I ESA reports were completed within approximately three weeks from authorization. In accordance with the ASTM and AAI requirements, Ninyo & Moore reviewed readily available historical documents, including historical aerial photographs, Sanborn Fire Insurance Rate maps, building department records, historical topographic maps, and city directories, as applicable. Ninyo & Moore conducted a review of federal, state, tribal, and local regulatory agency databases for each Site and for properties located within the specified radius (by the ASTM Standard) of each Site for locations of known hazardous waste sites, landfills, leaking underground storage tanks (LUSTs), and permitted facilities with USTs.

REPRESENTATIVE PROJECT EXPERIENCE (continued)

The Phase I ESAs included a reconnaissance of each Site to document existing hazardous materials handling, storage, and disposal practices, areas of possibly contaminated surficial soil or surface water, possible sources of polychlorinated biphenyls (PCBs), USTs and ASTs, and possible sources of contamination from activities at the Site and adjacent properties, and an interview of each Site property representative. The results of each Phase I ESA were presented in a comprehensive report, which included a summary whether or not recognized environmental conditions (RECs) were found on the any of the 10 Sites.

Environmental Site Assessments and Hazardous Building Materials Survey, Beverly Hills Post Office Building, California: Project Manager for a Preliminary Environmental Site Assessment/Phase I ESA of the proposed Wallis Annenberg Cultural Center of Beverly Hills. The site consisted of the existing historic Beverly Hills Post Office building and surrounding parking lots proposed to be converted to a new cultural center, including an underground parking structure proposed to be constructed beneath existing street rights of way and portions of the adjacent Beverly Hills City Hall property. Ninyo & Moore reviewed historical and regulatory records, conducted a site reconnaissance, and interviewed property representatives in order to prepare a comprehensive report summarizing potential environmental concerns associated with redevelopment of the site. Potential environmental concerns (PECs) included the historical development of the site as lumber storage yard, a train depot, and railroad right-of-ways, the former presence of an underground storage tank, and releases associated with off-site fire station and gas station facilities. Also, due to the age of the building the presence of the potential presence of asbestos-containing materials (ACMs), lead-based paints (LBPs), and other hazardous building materials was suspected.

Environmental Assessments for 12 School Sites, Western Riverside County, California: Project Manager for Phase I studies through complete environmental investigations and site closure status granted by DTSC, the lead regulatory agency. All 12 sites required DTSC's rigorous PEA investigations, including soil gas and/or soil matrix sampling. One site required a soil RAW and implementation. Public participation services in accordance with DTSC requirements were also provided.

Environmental Assessments for 10 School Sites, Western San Bernardino County, California: Project Manager for Phase I studies through complete environmental investigations and site closure status granted by DTSC, the lead regulatory agency. All 10 sites required DTSC's rigorous PEA investigations, including soil gas and/or soil matrix sampling. Sampling and analyses was conducted on the sites primarily for past agricultural activities. One site required an additional investigation for an on-site burn dump. Public participation services in accordance with DTSC requirements were also provided to the client school district.

Environmental Consulting Services for Commercial, Industrial, and Residential Properties Throughout California, Oregon, and Washington: Project Manager for Phase I studies throughout the western United States. Mr. Roberts managed, directed, coordinated a staff conducting Phase Is, and reviewed and signed each report. These services were performed for a variety of fiduciary institutions, attorneys, and school districts. These services included complete investigations to meet ASTM standards, as well additional studies required by the client. In order to fully characterize conditions, Phase II investigations were recommended and completed, ranging from additional historical research through soil and/or groundwater sampling.

PATRICK CULLIP, EIT

TASK LEADER: FACILITIES ENGINEERING

EDUCATION

B.S. Mechanical Engineering, Loyola Marymount University, Los Angeles

REGISTRATIONS AND CERTIFICATIONS

Loss Prevention System (LPS)
OSHA HAZWOPER with annual 8-hour refreshers

OSHA HAZWOPER Site Supervisor Training

OSHA Excavation Competent Person Certification

First Aid and CPR Training

BNSF Contractor Orientation Safety certified

EXPERIENCE HIGHLIGHTS

Phase I Environmental Site Assessments

Sampling Surveys

1166 Soil Monitoring

Preliminary Environmental Assessment

Mr. Patrick Cullip has over three years experience performing environmental remediation, operations and maintenance (O&M), remediation system installation, groundwater/soil vapor sampling, well installation, underground storage tank (UST) removal, soil contamination removal, dual-phase extractions, aerially-deposited lead (ADL) sampling, geological and geotechnical logging, quarterly groundwater monitoring reports, pilot test reports, design, and oversight projects; conducting environmental site assessments (ESAs) and feasibility testing; and evaluating regulatory compliance.

REPRESENTATIVE PROJECT EXPERIENCE

Port of Los Angeles, Wilmington, California: Senior Staff Environmental Engineer, conducted groundwater monitoring on numerous existing monitoring wells, using hand bailers.

Long Beach Unified School District, Long Beach, California: Senior Staff Environmental Engineer, collected soil samples using hand-auger and direct-push methods, to assess lead and pesticide contamination from lead based paint and termiticides along the edges of classroom and administrative buildings at Jordan High School, and prepared reports for government agencies. Sample results were used to determine the extent of contamination and potential associated health risks to field personnel participating in planned remodeling/demolition activities. Prepared the preliminary environmental assessment (PEA) report for sampling and associated remedial action work plan (RAW) for required soil remediation.

City of Los Angeles, Temescal Canyon Park Storm Water Project, Pacific Palisades, California: Senior Staff Environmental Engineer, conducted South Coast Air Quality Management District Rule 1166 air monitoring of soil being excavated for future storm water holding tank. The soil consists of undocumented fill found to contain petroleum hydrocarbons.

Caltrans, Various Locations, Southern California: Senior Staff Environmental Engineer, collected soil samples, using hand-auger methods, of roadside soils to assess aerially deposited lead (ADL) impacts of soil from years of contamination from leaded gasoline. Sample results were used to determine the waste classification for proper disposal and handling of road and highways improvements.

Phase I ESAs – Various Sites, Southern California: Field Manager, performed numerous Phase I ESAs of commercial, industrial, and residential properties throughout Southern California for various financial institutions, land developers, and government agencies. The Phase I ESAs included reviewing regulatory files of various government agencies to evaluate the extent and type of impacts at sites, conducting site walks and owner/operator interviews, and preparing reports.

Los Angeles Unified School District (LAUSD), Los Angeles, California: Oversaw groundwater/soil vapor extraction tests at various sites to determine extent of contamination. Field Manager for a complex site excavation for future school; tasks included lead/hydrocarbon soil testing, hazardous/non-hazardous soil removal, and air quality monitoring. Directed cleaning/removal of USTs, soil contamination chase-out, and removal. Supervised installation of groundwater/soil vapor monitoring wells. Directed maintenance on groundwater/soil vapor systems. Organized, managed, and operated numerous dual-phase extraction tests to remove site contaminants. Executed various O&M visits for existing soil vapor and groundwater remediation systems. Tracked effluent readings for various sites to ensure permitting compliance. Prepared dozens of environmental reports including quarterly groundwater monitoring reports, pilot tests, site assessments, remedial action plans, and RECAPs.

DENNIS W. FEE, EIT

SENIOR STAFF ENGINEER

EDUCATION

B.S., Environmental Engineering, 2015, Tufts University

REGISTRATIONS AND CERTIFICATIONS

Registered Engineer in Training, Massachusetts, #24740

40-Hour HAZWOPER Certification

BNSF Rail Safety training

SCRRA Railroad Safety

LAX Security Badge

RSO Refinery Training

As a Staff Engineer with Ninyo & Moore, Mr. Fee has worked on a large variety of environmental projects, including but not limited to: Phase I & Phase II Environmental Site Assessments (ESAs), Hazardous Materials Assessments (HMAs), aerially-deposited lead (ADL) sampling and reporting, geological logging, groundwater monitoring and sampling, report writing and data compilation, oversight of drilling activities, and PCB abatement monitoring.

REPRESENTATIVE PROJECT EXPERIENCE

South Coast Water District (SCWD), San Juan Creek Property Tenant Inspections, Dana Point, California: Field personnel/staff engineer: Conducted inspections of tenant storage facilities to determine the quantity of hazardous materials stored, and whether a hazardous material business plan was warranted based on the quantities. The inspections also included an assessment of releases or leaks of hazardous materials or petroleum products into site soils. Mr. Fee provided data organization and compilation services on this project as well.

C&C Jewelry (CCJ) Wastewater Compliance Inspections, Los Angeles, California: Field personnel/staff engineer: Conducted inspections and sampling of wastewater discharge at a jewelry manufacturer as part of the facility's industrial wastewater permit. Prepared periodic compliance reports as part of the City of Los Angeles Industrial Waste Management Division requirements.

Metropolitan Water District (MWD), Diemer Water Treatment Plant, Yorba Linda, California: Field personnel/staff engineer: Conducted air sampling and dust monitoring in basin remediation areas with suspected polychlorinated biphenyl (PCB) contamination, inspected and mitigated caulking, concrete, and other materials for PCB contamination, in order to achieve environmental compliance with the environmental protection agency (EPA).

Judicial Council of California, Phase II ESA, Proposed Inyo County Courthouse, Bishop, California: Field personnel/staff engineer: Conducted a Phase II Environmental Site Assessment in a proposed area for the Inyo County Courthouse, which included soil, soil gas, and groundwater sampling due to the suspected contamination from a nearby leaking underground storage tank (LUST), as well as providing data compilation and report writing services.

Raymond Avenue Grade Separation Project, Fullerton, California: Field personnel/staff engineer: Oversaw drilling and soil sampling activities in construction areas of Raymond Avenue in Fullerton, provided insight in technical illustration, data compilation and analysis to determine the extent, if any, of environmental contamination from the nearby railroad and other site uses.

Going, Going, Gone (GGG) Demolition, Port of Los Angeles Berths 171-173: Field personnel/staff engineer: Conducted groundwater and ocean water monitoring and sampling at the Port of Los Angeles, with known contamination of lead and petroleum hydrocarbons, to assess the impact of the implementation of bioremediation technologies.

REPRESENTATIVE PROJECT EXPERIENCE (continued)

Phase I ESAs, HMAs, and ISAs – Various Sites, Southern California: Field Personnel/Staff Engineer, Performed numerous Phase I ESAs, HMAs, and ISAs of commercial, industrial, and residential properties throughout Southern California for various financial institutions, land developers, and government agencies. The Phase I ESAs, HMAs, and ISAs included reviewing regulatory files of various government agencies to evaluate the extent and type of impacts at sites, conducting site walks and owner/operator interviews, preparing reports, and project oversight. Mr. Fee performed Phase II ESAs at several of these properties which included soil gas, soil, and groundwater evaluations.

HMA, Olive View UCLA Medical Center, Sylmar, California: Field personnel/staff engineer: Conducted an HMA at the UCLA Olive View Medical Center in Sylmar, which included a thorough site reconnaissance of the medical building, gas cylinder storage areas, fuel storage tanks, electrical systems, and helicopter pad, a review of hazardous waste manifests, a review of historical uses of the site from aerial, topographic, and sanborn maps, an interview with the environmental manager of the site, data organization and report writing.

Lincoln Avenue Widening Project HMA, Anaheim, California: Field personnel/staff engineer: Conducted an HMA on a section of Lincoln Avenue in Anaheim, for a road widening project. The HMA included a site reconnaissance to evaluate for the presence of hazardous materials, if any, adjacent to the site, a review of public records with environmental agencies for two adjacent LUST cases that may have affected the environmental integrity of the site, data organization, and report writing services.

Former Ace-Cogeneration Facility, Trona, California: Field personnel/staff engineer: Conducted sampling of lysimeters to evaluate for the presence of contamination from ash piles, byproducts from the former usage of the site as a clean coal power plant. Lysimeters are unique in that they enable one to sample pore water from the vadose zone of a site, and require the application of vacuum pressure for long periods of time to extract the pore water. Mr. Fee also provided technical illustration, data compilation, global positioning, and report writing services on this project.

PEA, Temple City High School, Temple City, California: Field personnel/staff engineer: Aided in the implementation of a Preliminary Environmental Action (PEA) report at a high school in Temple City. The scope of services included soil sampling to determine the extent of arsenic usage in site soils, technical illustrations to aid in the display of the extent of impacts, oversight of soil excavation and off-site transportation, and coordination with the California Department of Toxic Substances Control (DTSC) to achieve environmental compliance.

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

7888 Cherry Avenue, Unit I | Fontana, California 92336 | p. 909.758.5960

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Water Boards

GAVIN NEWSOM
GOVERNOR

JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Santa Ana Regional Water Quality Control Board

May 8, 2019

Hector Casillas, SR/WA
Acting Right of Way Manager
Riverside County Transportation Commission
4080 Lemon Street, 3rd Floor
Riverside, CA 92502
(HCasillas@RCTC.org)

POTENTIAL FOR ENVIRONMENTAL LIABILITY CONCERNING PROPERTIES OVERLYING DOWNTOWN RIVERSIDE CONTAMINANT PLUME (GLOBAL ID# SLT8R0373922)

Dear Mr. Casillas:

This is in response to the April 17, 2019 e-mail request to Nick Amini of our staff, requesting our general policies and approach for establishing liability for owners of the subject site (the Property), which consists of several improved tracts of land totaling approximately 7.15 acres, in the City of Riverside, Riverside County, California. Its Assessor Parcel Numbers are 211-201-004, 005, 006, 007, 008, 026, 037, 038 and 039. The attached maps depict the location of the parcels (Attachments 1 and 2).

We sent a response similar to this letter in March 2017 for Mad Atom Properties, LLC. It is our understanding that the Property was subsequently acquired by the Riverside County Transportation Commission.

The Property overlies a volatile organic compounds (VOCs) and nitrate groundwater contaminant plume commonly known as the Downtown Riverside/Riverside Plume. In the early 1980s, VOCs were detected in several emergency supply wells owned and operated by the City of Riverside in proximity to the Property. Several investigations, including soil and groundwater studies, were conducted at the Property in the early 1990s by the then-owner, FMC Corporation, in order to determine the probable source of the VOCs found in groundwater in the immediate area. The available technical data obtained from the investigations did not provide sufficient information to consider the FMC Corporation as the primary responsible party for the VOC-impacted wells. No responsible party has been identified, and the Santa Ana Regional Water Board currently has no ability to obtain investigation and cleanup of the groundwater contaminant plume; therefore, the FMC case has been reclassified as "open-inactive" in the State Water Resources Control Board's GeoTracker database.

The Property was used for gas production and distribution by Riverside Manufactured Gas Plant (MGP), Edison Electric Company, Southern California Edison Company and The Gas Company, from 1887 to 1911. From 1911 to 1959, a section of the subject site was used by The Gas Company as a natural gas storage facility. In the 1930s, Riverside Foundry and Machine Works operated a foundry at the south section of the Property. FMC bought the majority of the Property, and handled waste oil and solvents until the early 1980s. During FMC ownership, operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft. Since the mid-1980s, portions of the Property were owned and operated by both the Royal and Wolverine Western corporations. The Wolverine Western Corporation was a manufacturer of fruit packaging machinery and associated parts. Royal Corporation operated a citrus packinghouse.

Between July 2010 and February 2011, extensive soil excavation and removal in the former gas plant and gas storage areas at the Property was conducted by The Gas Company's environmental consultant. The excavation depths for the remediation at the Property varied between 2 feet below ground surface (bgs) in shallow impacted areas and 52 feet bgs in the deep total recoverable petroleum hydrocarbons (TRPH) impacted area. The total quantity of soil removed during the remediation was approximately 45,042 tons of non-hazardous TRPH- impacted soils. Approximately 26 tons of non-hazardous lead-impacted soils and 131 tons of non-hazardous tar-impacted soils were disposed of at a class II waste management facility.

Based on the completion of soil excavation and the results of the post-remediation monitoring, Regional Water Board staff believes that, in the event that the Property is redeveloped in the future for residential purposes, some form of vapor mitigation measures (such as a sub-surface vapor barrier system) would be necessary to address chlorinated VOCs in soil gas (i.e. tetrachloroethene and trichloroethene) that are not attributable to MGP, due to potential cancer risks associated with the vapor intrusion pathway. Regional Water Board staff does not believe that additional restrictions with regard to potential exposure via the vapor intrusion pathway would be necessary for either current or future commercial/industrial use of the Property.

According to the City of Riverside Water Operations staff, two of the supply wells owned by the City in the proximity of the former FMC Corporation are used for irrigation supply via discharge to the Riverside Irrigation Canal. These wells have historically been used for irrigation purposes in the past 20 years.

It has been the practice of the Regional Water Board to identify owners and operators of properties who either caused or contributed to the associated contamination as the parties responsible for assessment, monitoring and cleanup of such properties. Although the Regional Water Board has statutory authority to do so, as a matter of general policy, the Regional Water Board does not typically pursue site mitigation enforcement against owners and/or operators of a particular site if:

- They do not exacerbate or contribute to the existing pollution;

- Their operations at the site will not result in health risks to persons on the site;
- They are not responsible for, or affiliated with any party who is identified as responsible for, creating or allowing the existing contamination;
- They cooperate with ongoing cleanup efforts by allowing all necessary site access;
- They take all reasonable steps to prevent unauthorized disposal on the site; and
- There are other viable responsible parties who are willing and able to conduct any necessary remediation.

Additionally, we recommend that subsequent property owners and/or operators avoid the use of any substances of concern at the site in the future, in order to ensure that no questions arise regarding the contribution to, or exacerbation of, the existing condition.

Accordingly, based on the available information related to the Property, the Regional Water Board would generally not order the current or future owners of the Property as parties responsible for remediating the contamination that exists on and under the Property. The Regional Water Board does expect full cooperation by the former, current and any prospective owners of the Property in the form of reasonable site access to conduct any necessary testing, monitoring or cleanup by the parties responsible for the soil and groundwater contamination beneath the Property.

The determination that Riverside County Transportation Agency and its prospective buyers, tenants or subtenants of the Property will not, at this time, be held responsible for the investigation and cleanup of the Property is based on the information and data currently available to the Regional Water Board. In the event that new information is received that supports another conclusion, this determination is subject to change.

If you have any questions, please contact the Chief of our Site Cleanup Program, Nick Amini, at (951) 782-7958 or by e-mail: nick.amini@waterboards.ca.gov.

Sincerely,

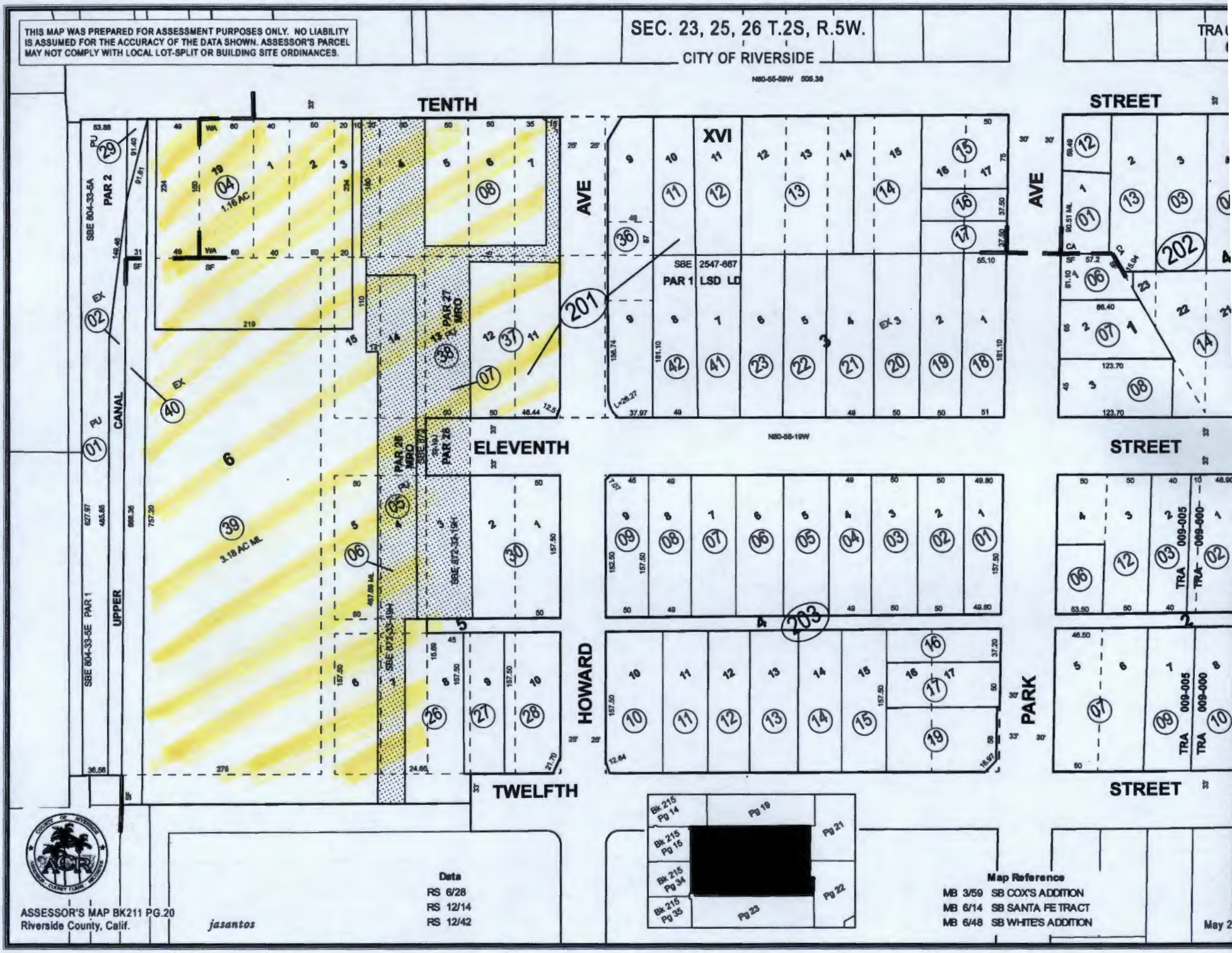
Hope Smythe

Hope A. Smythe
Executive Officer

Attachments: 1. Assessor's Map BK211-PG20
2. Areal Map showing Parcel numbers

cc: Jay Roberts – Ninyo & Moore (jroberts@ninyoandmoore.com)

H:/NAmini/Miscellenaous/RCTC_Comfort Letter_050819


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCEL MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.
SEC. 23, 25, 26 T.2S, R.5W.
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SBE 804-33-5E PAR 1
SBE 2547-667 PAR 1 LSD LD
PAR 27 MRO
PAR 28 MRO
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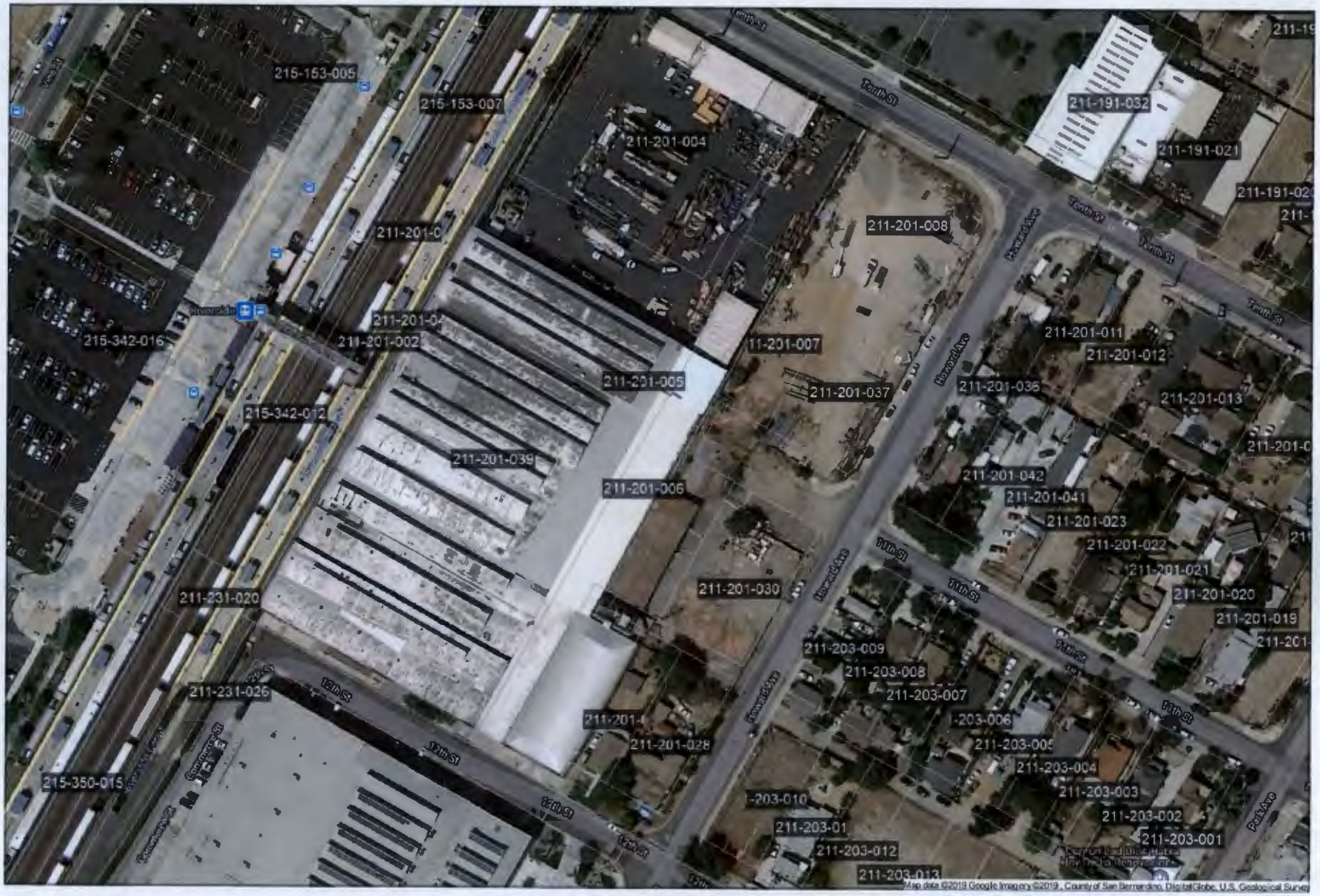
N80-55-59W 505.38
N80-58-19W
Data
RS 6/28
RS 12/14
RS 12/42
Map Reference
MB 3/59 SB COX'S ADDITION
MB 6/14 SB SANTA FE TRACT
MB 6/48 SB WHITE'S ADDITION
ASSESSOR'S MAP BK211 PG.20
Riverside County, Calif.
jasantos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211-203-003
211-203-002
211-203-001
211-203-012
211-203-013
215-350-015
Tenth St
Howard Ave
11th St
12th St
Park Ave
Commerce St
Map data ©2019 Google Imagery ©2019 , County of San Bernardino, DigitalGlobe, U.S. Geological Survey

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Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

May 28, 2019
Project No. 209691009

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor
P.O. Box 12008
Riverside, California 92502

Subject: Technical Memorandum Work Plan
Limited Phase II Environmental Site Assessment
10 APNs Adjacent to the Riverside Downtown Metrolink Station
Riverside, California

Dear Mr. Casillas:

This Limited Phase II Environmental Assessment (ESA) Technical Memorandum Work Plan (TMWP) was prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) to outline the proposed scope of the Limited Phase II ESA. The proposed work will be conducted in an area encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station. The site is proposed to be purchased by RCTC as part of the Riverside Downtown Metrolink Station project and developed into a parking lot.

A portion of the site was previously remediated under Department of Toxic Substances Control (DTSC) oversight as part of the former So Cal Gas Riverside Manufactured Gas Plant (MGP) (ID 33490085). In areas where remedial excavation could not occur due to site constraints, but where contamination was suspected, a land use covenant (LUC) was put in place that restricted soil disturbance activities. In accordance with the LUC, "no activities (e.g. planting, utility line installation, excavation, boring, grading, removal, trenching and filling) that disturb soil shall be allowed on the Property without prior written approval of a soil management plan by the Department" (i.e., DTSC). This Technical Memorandum Work Plan and attached Health and Safety Plan (HSP) serve as the soil management plan for drilling activities conducted in LUC areas.

SITE LOCATION

The site is located east and adjacent to the Riverside Downtown Metrolink Station in Riverside, California (Figure 1). The site is comprised of multiple known addresses, including: 3034 and 3084 10th Street; 2010 11th Street; and 3009, 3021, and 3087 12th Street in Riverside, California. The site has been designated as Riverside County Assessor's Parcel Numbers 211-201-004, -006, -007, -008, -025, -027, -028, -030, -037, and -039. The site is bound by 10th Street to the north, Howard Avenue to the east, and 12th Street to the south.

SITE DESCRIPTION

Due to its size and site history, the site has been divided into the following areas for clarity (Figure 2):

- Area A, former So. Cal. Gas (current Mad Atom LLC) at 3084 East 10th Street in the northwest portion of the site. LUC zones are present in Area A.
- Area B, former Home Oil and Royal Citrus/MLM Trucking (current storage yard for Mad Atom LLC) at 3034 East 10th Street in the northeast portion of the site.
- Area C, former Food Machinery and Chemical Corporation (FMC Corp.) (current Mad Atom LLC) at 3075 and 3087 12th Street in southwest portion of the site. LUC zones are present in Area C.
- Area D, former Campbell Oil and Poma Distributing at 3010 11th Street in southeast portion of the site.
- Area E, residential at 3009 and 3021 12th Street in southeast portion of the site.

PREVIOUS PHASE I ENVIRONMENTAL SITE ASSESSMENT

Ninyo & Moore conducted a Phase I ESA for the site on behalf of the RCTC, dated April 26, 2018 (Ninyo & Moore, 2018). The following recognized environmental conditions (RECs) were reported during the Phase I ESA:

- The historical presence of a railroad right-of-way (ROW) on the site presents a potential for contamination resulting from leaks or spills from the railcars or historic application of surface chemicals during railroad operations.
- The presence of an abandoned elevator shaft with an associated pump and hydraulic oil system at the southern portion of the manufacturing building (Area C). The exact age of the elevator is unknown, but has been inoperable for many years and is not permitted with the Building Department. There is a potential for leakage of hydraulic oils into the subsurface.
- The site overlies a groundwater plume impacted by volatile organic compounds (VOCs), pesticides, herbicides, nitrate, and perchlorate, and known as the Riverside Plume. Sampling of groundwater between 2005 and 2008 showed significant VOC impacts (primarily tetrachloroethylene [PCE] and trichloroethylene [TCE]) in the site vicinity.
- Contaminated soil may be present beneath Area C due to its historical industrial operations by the FMC Corp. and known use of solvents.
- The remedial action and acceptance by the DTSC in Area A associated with the former MGP within the portions of the area that were remediated is considered an Historic REC (HREC).
- AULs exist for portions of Areas A and C where excavation of contaminants could not be conducted due to accessibility issues. The LUCs on these portions of the site dictate that the site shall not be used for sensitive receptors, soil disturbance activities shall not be conducted without the preparation of a Soil Management Plan (SMP) and consent of the DTSC, and groundwater monitoring wells shall not be disturbed, among other provisions. The presence of the LUC on portions of the site is considered a Controlled REC (CREC).
- The presence of total petroleum hydrocarbon (TPH)-impacted soil and soil vapor associated with the inactive case at Area D (former Campbell Oil) is a REC.

- The potential presence of TPH-impacted soils in Area B associated with the former Home Oil is considered a REC. Based on historical research and the results of the vapor encroachment screening matrix conducted by Ninyo & Moore, a vapor encroachment condition likely exists beneath the site.

PHASE II ESA OBJECTIVES

The overall objectives of the Limited Phase II ESA include:

- Establishing, through a field sampling and analysis program, the nature of chemicals of potential concern (COPCs) that may be present in soil or soil vapor at the site, their concentrations, and their general extent.
- Estimating the potential threat to public health and the environment posed by COPCs at the site. Results will be forwarded to the DTSC.
- Determining soil removal and remediation needs based on the results of the Limited Phase II ESA, which may affect the site purchase negotiations.

Conceptual Site Model

A Conceptual Site Model (CSM), Figure 3, has been prepared to aid in the understanding of how the results of this Phase II will be evaluated. Four primary sources of environmental risk have been identified for the site: the former MGP, historical use of solvents, petroleum releases, and historical railroad operations. Because the site is planned for development into a paved parking lot and passenger loading station, the route of exposure for contact with impacted soil, soil vapor, groundwater, and surface water runoff is considered incomplete for future passengers. Additionally, there are no planned site occupants.

Soils are to be sampled up to 25 feet bgs to aid in the understanding of the risk both to future workers as well as potential liabilities associated with property purchase. The only complete exposure pathway would be for the construction crew during future earthmoving activities at the site, which would disturb soil to a maximum depth of 20 feet bgs. Nonetheless, the soil and soil vapor analytical results from this Phase II ESA will be conservatively compared to commercial screening levels developed by the DTSC, i.e. HERO Note 3, in the off-chance a building will be erected in the future. Based on the results of this Phase II ESA, a risk assessment may be conducted to determine site-specific cleanup goals for a construction worker risk scenario.

Groundwater

The site overlies a groundwater plume impacted by multiple contaminants, primarily VOCs, known as the Riverside Plume. Through several investigations in the 1990s the FMC Corp was not considered to be a primary responsible party for the plume, based on information obtained during that time. The possibility that FMC Corp. has contributed to the plume has not been ruled out, based on the fact that the case is still open and inactive with the RWQCB. The RWQCB has provided RCTC

a letter of comfort stating that based on available information, as long as the RCTC meets certain conditions, they will not be held liable for future cleanup or monitoring activities (Attachment B). These provisions include not exacerbating the current issue, not affiliating with the responsible party, cooperating with cleanup efforts, among others. RCTC is aware of the potential liabilities for groundwater cleanup beneath the site, should conclusive data indicate the site's former uses/occupants have impacted groundwater.

The groundwater at the site is between approximately 100 and 110 feet bgs, based on measurements collected from 2008 in the site vicinity. As mentioned above, the exposure of groundwater to future passengers is not considered a complete pathway for risk, largely due to the its depth and RCTC does not plan to use the groundwater for domestic purposes on the site. Nonetheless, groundwater has many beneficial uses for the public, including municipal supply. Assessment of groundwater is not a part of the scope of this Phase II ESA. If the results of the Phase II indicate impacts to the subsurface, and potentially to groundwater from FMC Corp., liabilities regarding cleanup of groundwater may exist, which will be discussed during property transaction and approval of the Environmental Document for the project in the next year or two.

PHASE II FIELD SAMPLING PLAN (FSP)

This FSP has been prepared to generally describe the procedures that will be used to conduct the subsurface assessment during the Limited Phase II ESA at the site. The results from this assessment will be used to provide information intended to evaluate the potential health risk to potential future receptors at the site, which will aide in the determination of as-needed remedial efforts and purchase agreements. The FSP has been prepared in general accordance with DTSC guidelines.

Sample Identification

Boring locations will be identified with the letter 'B' and will be followed by a unique number for each boring or sample location. For example, a boring labeled 'B1' is a boring advanced within the suspected former MGP area. Soil sample identifications will consist of the boring identification followed by the depth of the sample collected. For example, the sample 'B1-5.0' indicates a soil sample collected at an interval of 4.5 to 5 feet below ground surface (bgs). Samples advanced for soil vapor sampling also will be identified with the boring number 'SG,' followed by a unique number. For example, a sample labeled 'B2-SG5' would be a soil gas sample collected from 5.0 feet bgs (screened 4.5 to 5.5 feet bgs).

Deviations in sample identifications from those presented herein may occur based on field conditions. If such deviations occur, they will be recorded in the field notes, with the corresponding proposed sample identification noted.

Rationale for Sampling Plan

A sampling program consisting of soil sampling and soil vapor sampling has been prepared. Borings will be logged continuously to evaluate the lithology across the site. A description of sample locations, their depths, and the rationale for their location follows below. The boring locations, sample depths, rationale, and proposed analyses for each sampling location are provided in Table 1. Sampling locations are shown on Figure 2.

Table 1 – Sampling Rationale

Area	REC	Boring ID	Soil Sample Depths (feet bgs)	Specified Soil Analyses	Soil Vapor Probe Depths (feet bgs)	Specified Soil Vapor Analysis
A & C	Former MGP, Land Use Covenant	B1, B2, B3, B4, B5	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, PCBs, PAHs, Title 22 Metals	5, 15	VOCs
B	Former Home Oil	B6, B7, B8	Surface, 5, 10, 15 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, SVOCs, Title 22 Metals	5, 15	VOCs
C	Former FMC Corp	B9, B10, B11	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, SVOCs, Title 22 Metals	5, 15	VOCs
C	Elevator Shaft	B12	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, PCBs	--	--
C	Former Railroad ROW	B13, B14, B15, B19	Surface, 1, 2, 5 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, PCBs, PAHs, OCPs, Title 22 Metals	5	VOCs
D	Former Campbell Oil	B16, B17, B18	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, SVOCs, Title 22 Metals	5, 15	VOCs
Total Soil Samples for Analyses (+10% dups)			**42**	**Total Soil Vapor Samples for Analysis (+10% dups)**	**34**	

Notes:
-- not analyzed
bgs – below ground surface
dups – duplicates
ID – identification
MGP – manufactured gas plant
OCPs – organochlorine pesticides
PAHs – polycyclic aromatic hydrocarbons
PCBs – polychlorinated biphenyls
REC – recognized environmental condition
ROW – right-of-way
Surface – first encountered soil below paving or base, or at the surface if unpaved
SVOCs – semi-volatile organic compounds
TPHs – total petroleum hydrocarbons
VOCs – volatile organic compounds

Field Procedures

This section describes pre-field activities and procedures prior to, and during soil and soil vapor sample collection. Samples will be handled in accordance with DTSC Guidelines.

Health and Safety Plan (HSP)

Prior to implementing the field investigation, field personnel will be required to review and sign the site-specific HSP prepared by Ninyo & Moore (Attachment A). The HSP includes minimum requirements, policies, and procedures adequate to protect site workers, the public, and the environment from potential site hazards. The HSP also includes soil management practices, in accordance with DTSC's LUC on portions of the site.

All contractors involved in this investigation will be required to abide by these minimum requirements. In the event that unanticipated conditions occur at the site, the plan will be modified accordingly. The HSP provides site-specific scopes of work and indicates any unique constituents of concern. Prior to the initiation of field activities each day, a site safety briefing will be conducted to identify potential physical and chemical hazards and outline measures to be taken in the event of an emergency. On-site personnel will be required to sign the safety briefing form.

Utility Clearance, Underground Service Alert (USA)

Prior to commencement of the Limited Phase II ESA field activities, Underground Service Alert (USA) of Southern California (Dig Alert) will be notified by Ninyo & Moore of the intent to conduct subsurface investigations at least 48 hours prior to initiation of intrusive field tasks. Proposed locations of subsurface investigation will be clearly marked with white paint or surveyors flagging. Utility owners of record will be expected to clearly mark the position of their utilities on the ground surface in the designated area. In addition, a geophysical survey will be conducted in areas of proposed borings to evaluate subsurface anomalies before any drilling begins, such as the location of subsurface utilities, underground structures, and obstructions. The locations of borings may be modified based on the findings of the geophysical survey.

Soil and Soil Vapor Sampling Procedures

This following section describes soil and soil vapor sampling procedures.

Soil Sampling

Soil borings will be advanced at 19 locations (B1 through B19) at the site (Figure 2), using a hand auger to approximately 5 feet bgs, and a direct-push drill rig beyond 5 feet bgs to the planned depths, as indicated in Table 1. In general, soil samples will be collected in 5-foot intervals (with the exception of borings advanced around the railroad ROW). Soil samples will be analyzed for a variety of constituents, as specified in Table 1. Samples to be analyzed will be selected based on the observation of staining or odors, or elevated photo-ionization detector (PID) readings (above 10 parts per million by volume [ppmv]

above background, PID readings of ambient air). Two samples are planned to be analyzed per boring. Samples to be analyzed for TPH as gasoline and VOCs will be field-preserved in general accordance with United States Environmental Protection Agency (EPA Method 5035). If elevated PID readings are not detected, the two shallowest samples will be analyzed. For Title 22 Metals and PCBs, the shallowest soil samples (first encountered soil and 5 feet bgs) will be analyzed regardless of PID reading.

Borings B1 through B5 will be advanced in LUC areas. Prior to advancement of these borings, the DTSC will be notified. Soil cuttings generated from these borings will be segregated separately from soil cuttings from other borings in this Limited Phase II ESA. Precautions will be made during the advancement of these borings, including increased vigilance, breathing zone monitoring, and thorough decontamination of equipment and personnel.

Soil Screening

Soil cuttings, the soil from the shoe of the sampler, and the remaining sleeves after samples have been collected will be examined and logged. Soil characterization information, including soil type (e.g., fill, native soil, or bedrock) will be recorded on boring logs in accordance with the Unified Soil Classification System (USCS). Soil descriptions, sample type and depth, texture, color, density or consistency, odor, an estimate of soil moisture content, and related drilling information will be recorded in general accordance on boring logs. Boring logs will be reviewed by a Ninyo & Moore California licensed Professional Geologist.

Soil samples will be field screened using a PID calibrated to isobutylene. A portion of the sample will be removed and placed in a Ziploc™ bag. The sample will then be agitated and set aside for approximately 15 to 30 minutes to allow organic vapors, if present, to accumulate in the void space (headspace) of the bag. Readings from the PID are used to provide a field evaluation of the presence and relative concentrations of VOCs in soil. PID measurements will be recorded on the boring logs.

Soil Vapor Sampling

Soil borings (except for B12) will be evaluated for potential soil vapor impacts by installation of soil vapor probes. Temporary nested soil vapor probes will be installed in the borings in accordance with the 2015 DTSC Advisory Active Soil Gas Investigation (DTSC, 2015). Probe tips will be placed at depths designated in Table 1, and will generally be dual-nested at approximately 5 and 15 feet bgs. Figure 4 shows a diagram of a proposed dual-nested

vapor probe. If physical characteristics such as impermeable soil layers (clay) or significant moisture are encountered, the depths of probe installation will be modified, attempting to void low flow zones. Soil vapor samples collected from each probe will be analyzed for VOCs in general accordance with EPA Method 8260B using an Environmental Laboratory Accreditation Program (ELAP) mobile laboratory.

Backfill

Following completion of soil and soil vapor sampling, the tubing will be capped and enclosed beneath the surface in sand, and a thin steel plate will be placed with screws over the borehole, pending approval for abandonment. Once the boreholes are approved for abandonment, probes will be pulled and boreholes will be backfilled to within 12 inches of the ground surface with hydrated bentonite (if not already done so). The borings will be filled and resurfaced to existing grade, whether it be soil, asphalt, or concrete.

Analysis Methods

Soil samples will be collected in appropriate laboratory-supplied containers, placed in an ice-filled cooler, and transported under chain-of-custody (COC) protocol to an ELAP certified stationary laboratory. The following analysis methods listed in Table 2 below may be used for this Limited Phase II ESA:

Table 2 – Analysis Methods

Sample Matrix	Test Method
Soil Matrix	EPA Method 8015B/5035 (TPHg)
	EPA Method 8015B (TPHcc)
	EPA Method 8260B/5035 (VOCs)
	EPA Method 8270 (SVOCs)
	EPA Method 8270 SIM (PAHs)
	EPA Method 8082/3540C (PCBs)
	EPA Method 8081A (OCPs)
	EPA Method 6010B/7471A (Title 22 Metals)
Soil Vapor	EPA Method 8260B (VOCs)
Water (Equipment Blanks)	EPA Method 8015B/5035 (TPHg)
	EPA Method 8015B (TPHcc)
	EPA Method 8260B (VOCs)
	EPA Method 8270 (SVOCs)
	EPA Method 8270 SIM (PAHs)
	EPA Method 8082 (PCBs)
	EPA Method 8081A (OCPs)
	EPA Method 6010B/7471A (Title 22 Metals)

Notes:
EPA – United States Environmental Protection Agency
OCPs – organochlorine pesticides
PAHs – polycyclic aromatic hydrocarbons
PCBs – polychlorinated biphenyls
SVOCs – semi-volatile organic compounds
TPHcc – total petroleum hydrocarbons carbon chain
TPHg – total petroleum hydrocarbons as gasoline
VOCs – volatile organic compounds

Investigation Derived Waste

Single-use equipment/items, such as gloves, will be disposed as municipal waste. Single-use equipment that is to be disposed, which can still be re-used, will be rendered inoperable prior to its disposal.

Soil cuttings and decontamination water will be containerized in Department of Transportation-approved 55-gallon drums, labeled appropriately, and stored in a secure site-adjacent location provided by the site contact until off-site disposal is arranged. A composite sample will be collected from the drums and analyzed for TPHs, VOCs, and Title 22 Metals in general accordance with EPA Methods 8015B, 8260B, and 6010B/7471A, respectively, for waste characterization. The drums of cuttings and decontamination water will be profiled, transported, and disposed of at an appropriate disposal/treatment/recycling facility pending laboratory analysis.

Quality Assurance and Quality Control Measures (QA/QC)

An integral part of the Limited Phase II ESA sampling and analysis plan is the QA/QC program to ensure the reliability and compatibility of data generated during the Limited Phase II ESA. The following sections describe field and laboratory QA/QC procedures.

Field QA/QC Procedures

Duplicate samples, equipment blanks, and trip blank samples will be collected and analyzed to evaluate whether contamination has been introduced into a sample set in the field while the samples were collected through cross contamination, during sample shipment, or during sample handling and analysis procedures at the analytical laboratory. The following describes the QA/QC samples to be collected during field activities.

Duplicate Samples

The purpose of a duplicate sample is to evaluate the precision of both sampling techniques and laboratory testing. A duplicate sample shall be labeled, packaged, and stored in the same manner as any other sample. Duplicate samples will be collected at a rate of 10 percent of the sample set. Duplicate samples will be labeled as duplicates without identifying the sample/location where they have been collected. Duplicate sample will be analyzed for the same analytes as the primary sample.

Equipment Blanks

Equipment blank samples will be collected if non-dedicated sampling equipment is used. Equipment blank samples are collected by rinsing decontaminated sampling equipment with distilled water, collecting the water in appropriate laboratory-supplied containers, and then submitting the water sample for analysis. An equipment blank will be collected at the

rate of one per piece of equipment used per day and submitted to the laboratory for analysis of the same analytes as the primary sample on that day.

Trip Blanks

A trip blank sample remains sealed from the time it is sent from the laboratory to sample collection site and back to the laboratory. It measures any effects due to the sample container, transportation effects, and/or sample environment to and from the laboratory. A trip blank will be collected at the rate of one per day and submitted to the stationary laboratory for analysis of VOCs.

Laboratory QA/QC

The laboratory will fulfill QA/QC requirements as follows.

- **Soil Vapor Mobile Laboratory** – The on-site mobile laboratory will be capable of meeting the minimum reporting limits for unrestricted land use for carcinogenic VOCs, such as benzene and vinyl chloride. QC procedures for soil vapor sampling will include the performance of leak tests using a tracer gas (not isobutene or butane), proper decontamination or disposal of sampling equipment, and the collection at least one duplicate soil vapor sample and one method blank per laboratory per day. The duplicate soil vapor samples will be collected in separate containers using a "T" in the sample train. If all soil vapor samples are non-detect for the day, an end of the day laboratory control sample will be analyzed at reporting limit concentrations
- **Off-Site Stationary Laboratory** – The off-site laboratory will be state-certified (ELAP) for all test methods performed. Laboratory data will be reported within the detection limits prescribed by EPA and State of California testing methodologies and guidance. Duplicate soil samples will be analyzed at a minimum frequency of 10 percent of the total primary samples collected and will be submitted to the laboratory as blind samples. Laboratory analyses will include standard QA/QC procedures, including method blanks, matrix spike/matrix spike duplicates, surrogate recoveries, and laboratory control samples appropriate to the test method.

LIMITED PHASE II REPORT

A Limited Phase II ESA draft report presenting the results of the overall assessment will be prepared and submitted to RCTC and the DTSC. The report will include site background and environmental setting information, field procedures, presentation of field observations and analytical results including boring logs and laboratory reports. Analytical results will be compared to applicable EPA and DTSC screening levels (commercial screening values), and if required by the DTSC, a Human Health Screening Evaluation (HHSE) will be prepared.

PROPOSED SCHEDULE

The proposed milestones for the Project include the following:

- Submission of this TMWP to DTSC. DTSC review and approval – 1 month

- Conduct soil and soil vapor sampling – 1 week
- Submit Draft Limited Phase II ESA Report to RCTC and DTSC for comment – 4 weeks following field activities

Ninyo & Moore appreciates the opportunity to provide services on this project.

Respectfully submitted,
NINYO & MOORE

Dennis W. Fee, EIT
Senior Staff Engineer

Patrick Cullip
Project Engineer

John Jay Roberts, PG, CEG
Principal Geologist

DWF/PJC/JJR/sc

Attachments: References
Figure 1 – Site Location
Figure 2 – Site Plan and Proposed Boring Locations
Figure 3 – Conceptual Site Model
Figure 4 – Proposed Temporary Multi-Completion Soil Vapor Probe Installation
Attachment A - Health and Safety Plan
Attachment B – Groundwater Comfort Letter from RWQCB

Distribution: (1) Addressee (via e-mail)

REFERENCES

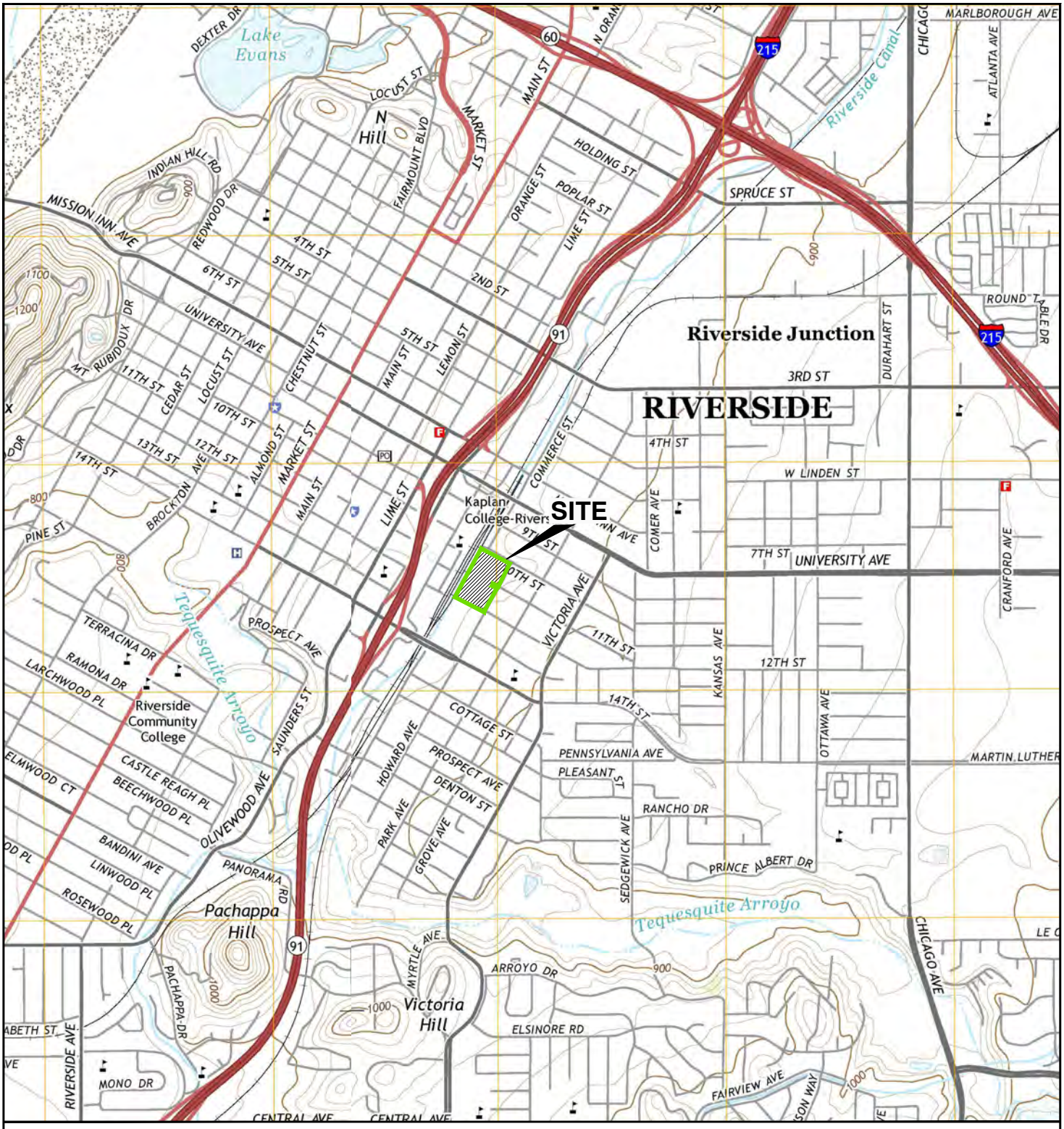
Department of Toxic Substances Control, 2015, Advisory Active Soil Gas Investigations, dated July

DTSC, see Department of Toxic Substances Control

Ninyo & Moore, 2018, Phase I Environmental Site Assessment, Ten APNs Adjacent to the Riverside Downtown Metrolink Station, Riverside, California, dated April 26.

State Water Resources Control Board, 2018, GeoTracker website, https://geotracker.waterboards.ca.gov/, accessed in November

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

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FEET

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FIGURE 1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE LOCATION

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION

RIVERSIDE, CALIFORNIA

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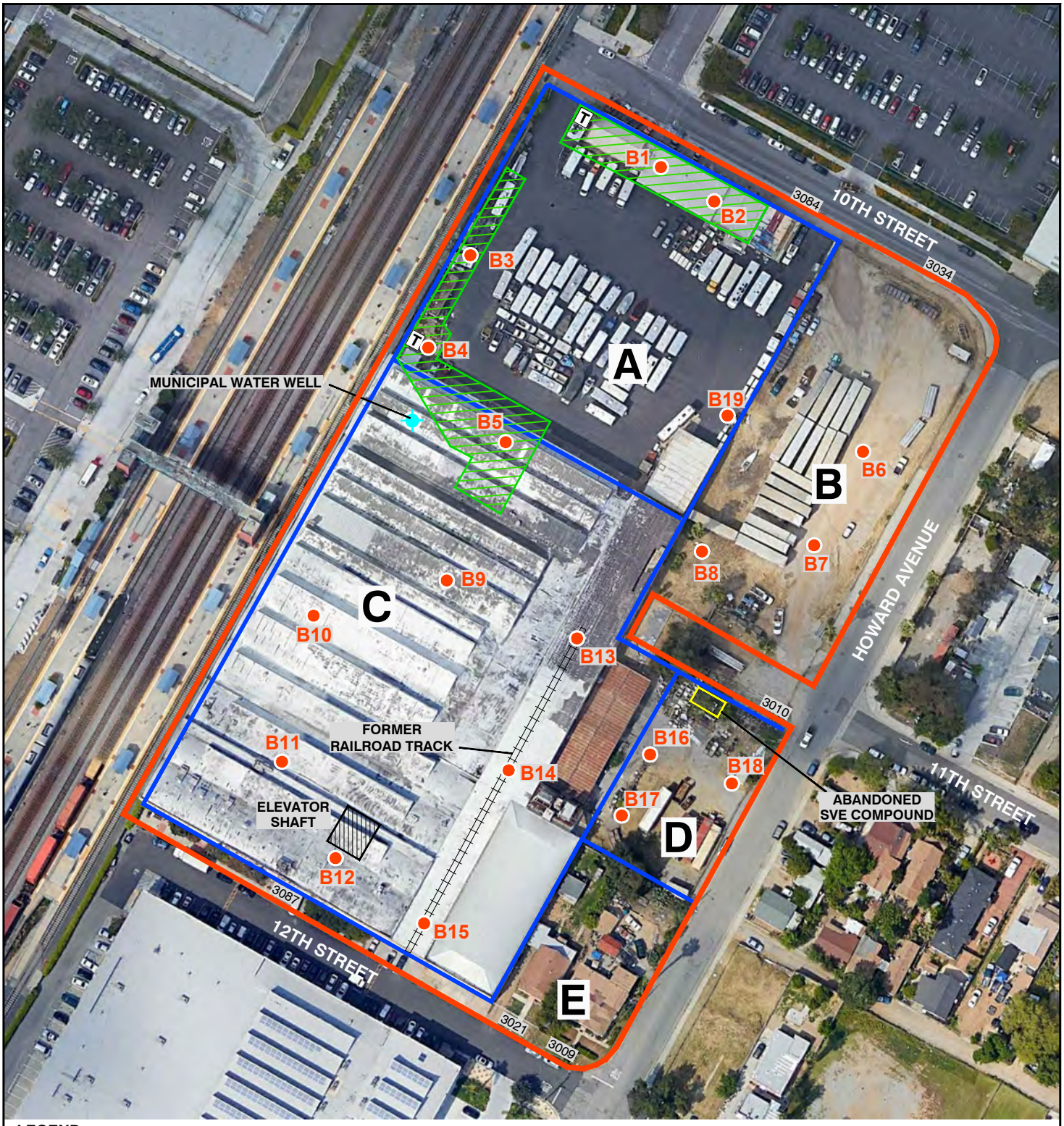

LEGEND

	SITE BOUNDARY		LUC AREAS
	AREAS OF INTEREST	LUC	LAND USE CONVENANT
	WATER WELL	SVE	SOIL VAPOR EXTRACTION
B18	PROPOSED BORING		

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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FIGURE 2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN AND PROPOSED BORING LOCATIONS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION

RIVERSIDE, CALIFORNIA

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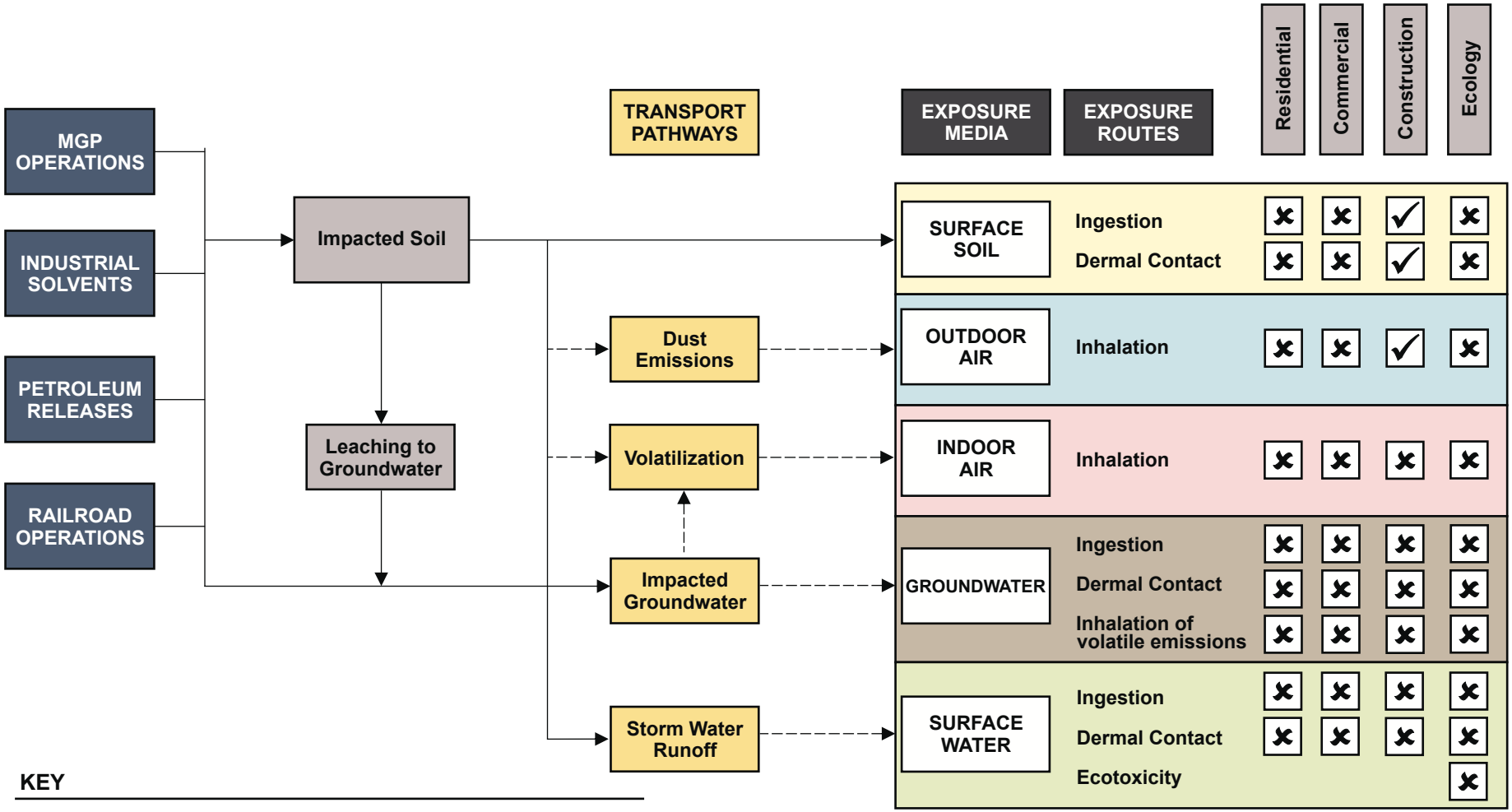

KEY

- Confirmed Complete Pathway
- Possibly Complete Pathway
- ✓ Exposure Pathway May Be Complete For The Receptor
- ✗ Exposure Pathway Is Incomplete For This Receptor

5 209691009 CSM.cdr AOB

FIGURE 3

CONCEPTUAL SITE MODEL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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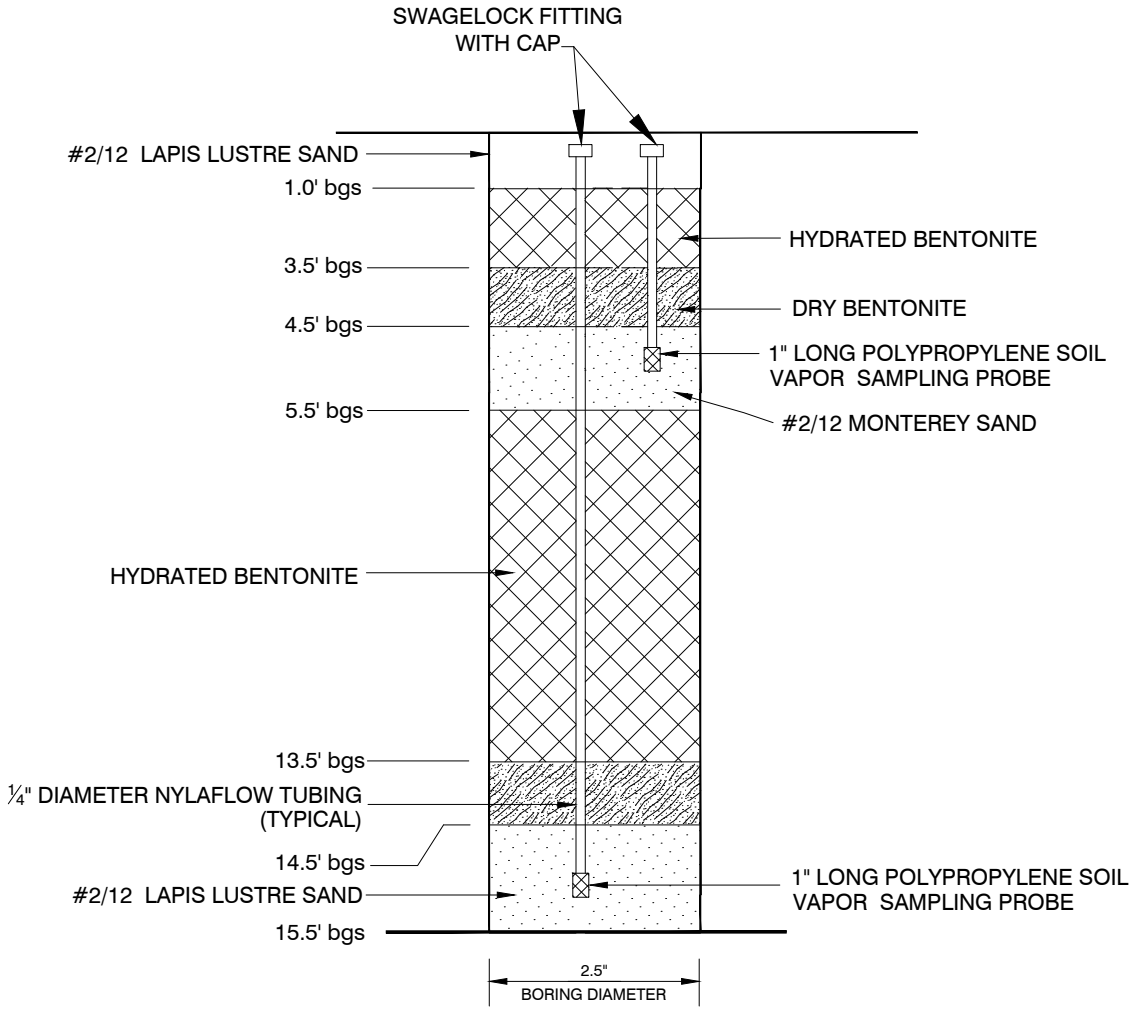
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



NOT TO SCALE

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

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FIGURE 4

PROPOSED TEMPORARY MULTI-COMPLETION SOIL VAPOR PROBE INSTALLATION

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

209691009 I 5/19

ATTACHMENT A

Health and Safety Plan

Health and Safety Plan

10 APNs Adjacent to the Riverside Downtown Metrolink Station Riverside, California

Riverside County Transportation Commission

4080 Lemon Street, Third Floor | Riverside, California 92502

April 9, 2019 | Project No. 209691009

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

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FIGURE

A1 – Hospital Location

1 INTRODUCTION

This Health and Safety Plan (HSP) was prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) to outline the health and safety procedures to be implemented for the proposed Limited Phase II Environmental Site Assessment (ESA). The proposed work will be conducted in an area encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station. The site is planned to be purchased by RCTC as part of the Riverside Downtown Metrolink Station and developed into a parking lot. The purpose of the proposed work is to evaluate whether soil and soil vapor impacts related to historical uses of the site could affect the proposed purchase and development of the site. A portion of the site was remediated under Department of Toxic Substances Control (DTSC) oversight as part of the former So Cal Gas Riverside Manufactured Gas Plant (MGP). In areas where remedial excavation could not occur due to site constraints, but where contamination was suspected, a land use covenant (LUC) was put in place that restricted soil disturbance activities. This HSP serves as part of the soil management plan for drilling activities conducted in LUC areas.

Site work will involve: geophysical survey, coring, auguring, drilling, sampling, backfilling, and waste handling and disposal of potentially contaminated soil associated with numerous recognized environmental conditions reported in Ninyo & Moore's 2018 Phase I ESA. Hazards associated with this job include operation of heavy machinery, underground utilities, and potential breathing zone impacts. This HSP was prepared in accordance with Ninyo & Moore's Health and Safety Program and Occupation Health and Safety Administration (OSHA) requirements. All onsite personnel will review and sign acknowledgement for the information in this HSP prior to commencing with onsite work activities.

2 SITE DESCRIPTION

The site is located east and adjacent to the Riverside Downtown Metrolink Station in Riverside, California, and is comprised of multiple known addresses, including: 3034 and 3084 10th Street; 2010 11th Street; and 3009, 3021, and 3087 12th Street in Riverside, California. The site has been designated as Riverside County Assessor's Parcel Numbers 211-201-004, -006, -007, -008, -025, -027, -028, -030, -037, and -039. The site is bound by 10th Street to the north, Howard Avenue to the east, and 12th Street to the south.

Historical operations at the site have included an MGP, the Food Machinery and Chemical Corporation (FMC Corp), multiple oil distribution companies, trucking companies, and residences. Current uses of the site include metal manufacturing, storage yards, and residences.

3 SCOPE OF WORK

Ninyo & Moore's current scope of work is described below. Ninyo & Moore personnel and certified subcontractors at the site will conduct the following activities:

- A geophysical survey to clear for utilities in proposed boring locations, and locate subsurface anomalies.
- Advance boreholes to various depths up to 18 locations. Each borehole will be hand augured to 5 feet below ground surface (bgs). A direct-push drill rig will be used to reach the proposed target depths beyond 5 feet, up to 25 feet bgs. Soil samples will generally be collected in 5-foot intervals. In paved areas, concrete or asphalt coring will be required.
- Following the collection of soil samples and reaching the desired depth, boreholes will be converted into dual-nested vapor probes in accordance with DTSC guidelines. After at least 48 hours, vapor probes will be sampled and analyzed for volatile organic compounds (VOCs) by a mobile laboratory.
- The proper storage and disposal of soil cuttings and decontamination water into 55-gallon drums based on results of laboratory analysis.

4 ORGANIZATION AND RESPONSIBILITIES

Personnel responsible for fieldwork are identified in Table 1.

Table 1 – Responsible Personnel for the Site

Title/Responsibility	Name/Specific Assignments	Daytime	After Hours
Project Manager (PM) and Engineer/Responsible for managing the project	Mr. Patrick Cullip	949.753.7070	949.307.4114
Site Health and Safety Officer (SHSO)/Responsible for site health and safety of field team	Mr. Dennis Fee	949.753.7070	949.697.2093
Principal Geologist/Alternate Project Contact	Mr. John Jay Roberts	949.753.7070	949.678.4137
Ninyo & Moore Corporate Safety and Health Manager/Responsible for company health and safety, including company field activities	Mr. Steve Waide	858.576.1000	858.449.8619
Subcontractor for Geophysical Survey	Spectrum Geophysics	877.565.3590	N/A
Subcontractor for Drilling	Strongarm Environmental Field Services, Inc.	562.404.6656	N/A

5 HAZARD ANALYSIS

This section provides information regarding the chemical, physical, and biological hazards that may be associated with the site and the activities that are conducted as part of the scope of work.

5.1 Chemical Hazards

Multiple chemicals of potential concern (COPCs) are present at the site, including total petroleum hydrocarbons (TPH), VOCs, metals, semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and organochlorine pesticides (OCPs). The primary potential route of exposure

to the chemical hazards is inhalation of impacted dust and vapors generated or released during site activities. To a lesser degree, incidental ingestion or dermal contact of site contaminants as a result of improper personal protective equipment (PPE) usage or improper decontamination is another potential route of exposure.

5.1.1 Petroleum Hydrocarbons

TPH is a term used to describe a large family of several hundred chemical compounds that originally come from crude oil. TPHs are a mixture of chemicals, but they are all made mainly from hydrocarbons. Some chemicals that may be found in TPH are hexane, jet fuels, mineral oils, benzene, toluene, xylenes, naphthalene, and fluorene, as well as other petroleum products and gasoline components. Some of the TPH compounds can affect your central nervous system. One compound can cause headaches and dizziness at high levels in the air. Another compound can cause a nerve disorder called “peripheral neuropathy,” consisting of numbness in the feet and legs. Other TPH compounds can cause effects on the blood, immune system, lungs, skin, and eyes.

5.1.2 Volatile Organic Compounds

VOCs are a common constituents of motor fuels, aviation gasoline, and some industrial solvents. One of the constituents and a known human carcinogen, benzene, is the principal concern and the basis for establishing the action levels for continuous monitoring equipment in the vicinity of gasoline and other light distillate products. Continuous organic vapor monitoring will not detect benzene specifically; therefore, the action level is based upon the conservative assumption that the benzene content of the volatile mixture is less than 10 percent. In the event that the presence of benzene is confirmed to be above the OSHA action level, guidelines set forth in the OSHA document, Benzene Regulated Areas, will be implemented.

5.1.3 Semi-Volatile Organic Compounds

A semi-volatile organic compound is an organic compound which has a boiling point higher than water and which may vaporize when exposed to temperatures above room temperature. Semi-volatile organic compounds include phenols and polynuclear aromatic hydrocarbons (PAH). Short-term effects of phenol exposure includes respiratory irritation, headaches, and burning eyes. Chronic effects of high exposures include weakness, muscle pain, anorexia, weight loss, and fatigue; effects of long-term low-level exposures include increases in respiratory cancer, heart disease, and effects on the immune system. PAHs are produced from coal tar and other sources and are used in a variety of industrial products. PAH is a

recognized human carcinogen. Studies in animals have also shown that PAHs can cause harmful effects on skin, body fluids, and the body's system for fighting disease after both short- and long-term exposure however these effects have not been reported in people. The current OSHA PEL is 0.2 milligrams per cubic meter (mg/m^3) however, exposure by any route to PAH and other recognized human carcinogens will be maintained at the absolute practicable minimum level.

5.1.4 Title 22 Metals

Metals are sometimes encountered as contaminants at industrial sites. Some heavy metals are highly toxic; others are also recognized human carcinogens. Because these materials are not volatile unless highly heated, control by proper use of PPE and personnel hygiene practices will prevent significant exposure. There are many individual metals causing varying degrees of illness based on acute and chronic exposures. Some heavy metals – such as cobalt, copper, iron, manganese, molybdenum, vanadium, strontium, and zinc – are essential to health in trace amounts. Others are non-essential and can be harmful to health in excessive amounts. These include cadmium, antimony, chromium, mercury, lead, and arsenic – these last three being the most common in cases of heavy metal toxicity.

Some heavy metals such as lead can affect the nervous system, gastrointestinal system, cardiovascular system, blood production, kidneys, and reproductive system. Symptoms of heavy metal toxicity include mental confusion, pain in muscles and joints, headaches, short-term memory loss, gastrointestinal upsets, food intolerances/allergies, vision problems, chronic fatigue, and others. There are OSHA Permissible Exposure Limits for a wide number of metals but the most common metal of concern is lead and is typically used as the field indicator for metals exposures. The OSHA Permissible Exposure Limit for lead is currently set at 0.05 mg/m^3 with an action level of 0.03 mg/m^3.

5.1.5 Polychlorinated Biphenyls (PCBs)

PCBs, also referred to as Aroclors, are synthetic industrial products that have been commonly used as cooling fluid and for electrical insulation. PCBs are common contaminants of oily type waste and are found around railroad tracks and in industrial areas and dumps. PCBs are recognized environmental pollutants and suspected human carcinogens. Work involving exposure to PCBs above the atmospheric action level or in contact materials exceeding 100 micrograms per gram may require special medical evaluation and approval of the SHSO.

5.1.6 Organochlorine pesticides (OCPs)

OCPs range from relativity low-toxicity products to highly poisonous compounds. Exposure to extremely small quantities of some of these pesticides may result in serious bodily harm, even death. Central nervous system excitation and depression, typically abrupt in onset, are the primary clinical effects of acute organochlorine toxicity. Symptoms may include euphoria with auditory or visual hallucinations, perceptual disturbances, seizures, agitation, lethargy, or unconsciousness.

Identification of pesticide containers during field activity requires evaluation by the SHSO before work can proceed. Pesticide dumping at a site requires that protective clothing protocols be implemented during all intrusive activity. Presence of only residue following normal application may permit a reduced level of PPE. There are a wide variety of organochlorine pesticides but the commonly cited compounds are chlordane and DDT. Chlordane has a current OSHA PEL of 0.5 mg/m^3 while DDT has a current PEL of 1 mg/m^3.

5.2 Physical Hazards

In addition to the chemical hazards discussed above, the following physical hazards may be present during site activities.

5.2.1 Energized and Rotating Equipment

Whenever feasible, heavy equipment with rotating shafts, gears or augers will be guarded to prevent accidental contact. Only experienced operators are allowed to work around rotating parts that cannot be adequately guarded. Personnel who must work around rotating equipment will not wear loose-fitting clothes that could get caught. Special precautions should be observed during drilling operations involving casing removal to avoid potential accidents due to equipment failure or breakage.

Site personnel will not operate or handle drilling equipment or heavy equipment owned by subcontractors. The drilling subcontractors will maintain and implement safety procedures according to their safety and health plan. Only qualified subcontractor personnel will operate heavy equipment during field activities. Subcontractors will maintain in operating condition all appropriate safety devices on all machinery and rotating equipment (e.g., backup alarms, emergency stops, guards) at all times. Subcontractors will implement effective safety programs for use of this type of equipment.

Before the start of drilling activities, a “competent person” (a person who has the knowledge and training to identify hazards and the authority to correct the hazards) will ensure that the following activities are completed:

- Contact utility companies and the property owner to ensure underground installations and utilities are located. Make sure underground installations and utilities are located, protected, supported or removed as necessary to safeguard employees.
- Remove or secure any surface obstacles, such as trees, rocks and sidewalks, which may create a hazard.

5.2.2 Vehicle Operation

Vehicles will only be operated in authorized areas. When moving equipment, caution should be exercised in order not to damage equipment or cause injury. When backing up heavy vehicles (larger than pickup trucks), passenger vehicles, or pickups with obscured rear vision, a guide will be used to direct the vehicle. Extra caution will be exercised during vehicle operation on dike roads, industrial areas, and other close spaces. Personnel directing traffic will wear orange vests. Each vehicle will be equipped with a minimum of one fire extinguisher rated 3A:40B:40C.

5.2.3 Lifting/ Twisting Injuries

Manual lifting of heavy objects and the use of hand augers could cause back, shoulder or neck injury. Common-sense safety precautions will be followed such as frequent rest breaks, proper lifting technique and careful ergonomic practices.

5.2.4 Slip/Trip/Fall Hazards

Workers should exercise caution when walking around the site to avoid slip, trip, and fall hazards. If holes or uneven terrain are located in the work area, they must be covered, flagged, or marked to warn workers. If conditions become slippery, workers should take small steps with their feet pointed outward to decrease the possibility of slipping. Workers should watch where they are walking and plan to walk in areas of good stability (designated walkways). Good housekeeping practices, such as keeping hoses and cables out of walkways, will help minimize the possibility of slip/trips/falls.

5.2.5 Noise Hazards

Drilling equipment may produce continuous or impact noise at or above the OSHA and California OSHA (Cal/OSHA) action level of 85 A-weighted decibels (dBA). Exposure to excessive noise levels can result in temporary or permanent hearing loss. Personnel

stationed within 15 feet of operating equipment or near an operation that creates noise levels high enough to impair conversation will wear hearing protection (i.e., ear plugs or muffs). Personnel will wash their hands with soap and water prior to inserting earplugs to avoid ear infections. Ninyo & Moore personnel participate in the Ninyo & Moore hearing conservation program.

5.2.6 Underground Pipelines and Cables

Overhead and buried pipelines containing natural gas and petroleum fuels are common on military installations and industrial sites. These pipelines present another source of a potential fire and explosion hazard. Other common utilities that may be present underneath the site include high-pressure water, wastewater, and electrical lines. All work areas will be cleared by a geophysical survey and the SHSO prior to soil-intrusive work or movement of heavy equipment into or through utility corridors. Project personnel will obtain written clearances that set forth the detailed requirements for obtaining clearance to excavate at the site. In addition, when locations of buried lines are uncertain, excavation will always be performed by hand until the utility is located or the area is cleared. The responsible installation operations or maintenance department will review the location of emergency shutoff valves with project personnel at the pre-job meeting or tool box safety meeting prior to working in an area of concern.

5.2.7 Thermal Stress/Heat Stress

If work is conducted during warm or hot weather, heat stress is a recognized health and safety hazard. Cool drinking water will be made available to personnel and its use will be encouraged and monitored. The ambient air temperature will be monitored with a digital thermometer, and general weather conditions will be recorded in the project field log-book daily when the temperature is expected to be above 70 degrees Fahrenheit (F). Generally, heat stress can be reduced by:

- Acclimating the body slowly. A period of adjustment will be allowed to make further heat exposure endurable. Acclimation can be lost if a worker is away from the heat for two weeks or more;
- Drinking more liquids (water or diluted electrolyte drinks) to replace body water lost through sweating;
- Resting frequently;
- Get out of the sun;
- Drink water before going out in the field; and

- Avoid alcohol and caffeine and do not smoke.

5.3 Biological Hazards

During field activities, site personnel may encounter various natural hazards. These hazards include, but are not limited to, the following:

- Insect bites and stings;
- Vector-transmitted illnesses (e.g., ticks and mosquitoes); and
- In order to minimize or eliminate these hazards, the following control measures will be enacted where possible.

5.3.1 Insect Bites and Stings

In an effort to minimize this hazard, the following control measures will be initiated where possible.

- Loose-fitting clothing with long sleeves, where possible (given heat stress considerations), should be worn to provide a barrier between the field person and the insects. Commercially available insect repellents can be used if necessary. Products containing DEET should not be applied directly to the skin due to potential irritation. This product should be applied over clothing articles. For mosquito-infested areas, mosquito nets may also be used.
- The SHSO will preview access routes and work areas in an effort to identify physical hazards including nesting areas in and around the work sites. These areas will be communicated to site personnel.
- Personnel will be directed in the administration of antidotes for personnel who suffer allergic reactions to bee stings. Dermal applications for the bite areas will be maintained as part of the first-aid kit.

Note: It is important that allergies be reported on the medical data sheets and to the SHSO. Additionally, specific procedure for administering treatment as directed by your physician must also be communicated to ensure the quickest and most effective response possible.

6 SITE CONTROL

For intrusive field activities such as drilling, precautions shall be taken to assure that only authorized personnel with the proper training and PPE enter work areas associated with the operation of heavy equipment and/or the potential for exposure to hazardous conditions/materials. In these areas (the exclusion zone), access may be controlled with caution tape and/or barricades. The SHSO will monitor the exclusion zone to ensure that members of the public and those who do not have proper PPE are not allowed to enter.

7 DECONTAMINATION

The following sections describe the decontamination procedures.

7.1 Personnel Decontamination

A minimal decontamination procedure (consisting of washing exposed skin with soap and water) is required at soil sampling locations. Before leaving the site, workers will ensure that they do not track out contaminated materials on their clothing.

7.2 Vehicle and Equipment Decontamination

The primary focus of the decontamination program is to minimize the spread of contaminated material beyond a given site. During field activities, a variety of heavy equipment, vehicles, and small equipment is anticipated. The level of potential contamination for vehicles and equipment at this site is low for the sampling equipment and support vehicles used. For equipment coming from contaminated areas, items will be decontaminated with Alconox detergent and two distilled water rinses (three-stage wash) between sampling locations and the waste water will be disposed of within approved 55-gallon drums. Non-disposal equipment such as hand augurs and drilling equipment that is in contact with soil will be decontaminated between each sampling location through use of a three-stage wash.

8 MEDICAL SURVEILLANCE REQUIREMENTS

The following sections describe medical surveillance requirements.

8.1 Medical Surveillance Requirements for Ninyo & Moore Personnel

Ninyo & Moore personnel participating in project field activities must have a physical examination meeting the requirements of Ninyo & Moore medical surveillance program and will be medically qualified to perform hazardous waste operations work using respiratory protection. Documentation for medical clearances is maintained at the Ninyo & Moore Irvine, California, office and is available, as necessary.

8.2 Medical Surveillance Requirements for Subcontractors

Subcontractors are required to obtain a certificate of their ability to perform hazardous waste operations work and to wear respiratory protection. Documentation for medical clearances must be forwarded to the SHSO prior to beginning work on site. This documentation is maintained in the Ninyo & Moore Irvine, California, office.

9 HAZARD MONITORING

During field activities, the following monitoring requirements will be mandated:

Table 2 – Chemical/Physical Agent Monitoring Requirements

Scope of Work Task	Chemical/ Hazard	Instrument	Responsible Group	Initial Frequency
Low Hazard				
Utility clearance, non-intrusive work	Dust	Visual	SHSO	Start of task, hourly, continuous if zone of contamination encountered
Decontamination of equipment (if necessary)	Organic vapor	PID	SHSO	@ SHSO discretion
Moderate Hazard				
Excavating and other subsurface soil activity	Organic vapor, Explosive or toxic environment, Dust, Oxygen	PID/CGI, Visual	SHSO/Excavation Competent Person	Start of task, hourly, continuous if zone of contamination encountered
Confirmation Soil Sampling	Dust, Organic Vapor	Visual, PID	SHSO	@ SHSO discretion

Notes:
PID – photoionization detector
CGI– combustible gas indicator

Table 3 – Monitoring Methods and Action Levels for Petroleum Hydrocarbon[1] Sites Using Screen Instruments

Hazard	Method	Action Level[2]	Protection Action
Total Organic Vapor	PID[3]	Background to 5 ppm[5] above background	No action required
		> 5 ppm	Air purifying respirator, half or full face, level C protection with organic vapor cartridges
		> 50 ppm	Supplied air protection, Level B
		> 100 ppm	STOP WORK
Combustible Gas	CGI[4]	< 10% LEL[6]	No action
		10% to 20% LEL	Start continuous monitoring; Permit only classified electrical equipment and nonsparking tools
		> 20% LEL	STOP WORK, ascertain source of gas
Oxygen Concentration	CGI[4]	< 19.5% O_2	Leave area, evaluate reason for deficiency, monitor again remotely or with IDLH[8] entry program
		19.5 to 20.5% O_2	Slight deficiency, continue continuous monitoring
		20.5 - 21.0% O_2	Normal range
		> 22.0% O_2	Elevated reading, check calibration, investigate cause, STOP any potential spark-producing activity

Table 3 – Monitoring Methods and Action Levels for Petroleum Hydrocarbon[1] Sites Using Screen Instruments			
Hazard	**Method**	**Action Level[2]**	**Protection Action**
Carbon Monoxide	CGI[4]	> 10 ppm CO	Perform continuous monitoring, evaluate reason for elevated reading, consider engineering controls
		> 25 ppm CO	Stop work until engineering controls can be implemented, remove personnel from excavation
Hydrogen Sulfide	CGI[4]	> 10 ppm H_2S	Leave area, evaluate reason for elevated reading, monitor again remotely or with IDLH[8] entry program

Notes:
1 Action levels based on gasoline, aviation gasoline, and diesel contaminants only. A conservative 20% benzene is assumed where benzene is not verified absent from atmosphere. Action levels should be reestablished based on periodic analysis of atmosphere.
2 All action levels are readings observed above background
3 photoionization detector
4 Combustible Gas Indicator
5 parts per million

10 PERSONAL PROTECTIVE EQUIPMENT

For each task, the hazards, control measures, and PPE requirements have been identified. Level D PPE is anticipated to be worn for the performance of various tasks at the site:

Table 4 – Personal Protective Equipment

Task	Hazard	Level	Body	Respirator	Skin	Other
Drilling, Sampling, Decontamination	Minimal chemical exposure, noise, solar radiation	D*	Normal work clothes, long pants, long-sleeve shirt, safety vest	N/A	Nitrile gloves	Hard hat, safety glasses, hearing protection, steel-toed boots
Exceedance of action levels	Minimal chemical exposure, noise, solar radiation	Modified D or C	Tyvek suit (if needed), long pants, safety vest	Full-face or half-mask, air purifying respirator with high-efficiency particulate air (HEPA) and/or organic vapor (OV) cartridges where needed	Nitrile gloves	Hard hat, safety glasses, hearing protection, steel-toed boots

Notes:
N/A – not applicable
*Work will be initiated at Level D. PPE will be upgraded to Level C based on results of field observations.

Modified Level D or Level C protection (consisting of the use of a respirator) will be required when action levels are exceeded and if airborne concentrations of VOCs cannot be adequately controlled to background levels in the breathing zone.

11 EMPLOYEE TRAINING ASSIGNMENTS

The following sections describe the employee training assignments for the project.

11.1 Requirements for Ninyo & Moore Personnel

Ninyo & Moore personnel must complete 40 hours of introductory hazardous waste operations training prior to performing work at the site. Additionally, Ninyo & Moore personnel who have had introductory training more than 12 months prior to site work must have completed eight hours of refresher training within the past 12 months before being cleared for site work. In addition, eight-hour supervisory training in accordance with 29 CFR 1910.120(e)(4) will be required for site supervisory personnel.

Documentation of Ninyo & Moore introductory, supervisory, and refresher training, as well as site-specific training, are maintained at the Ninyo & Moore Irvine, California, office. Copies of certificates or other official documentation will be used to fulfill this requirement.

Ninyo & Moore will also conduct a brief daily meeting to discuss operations planned for that day. When appropriate, a short meeting will be held to discuss the operations completed and any problems encountered.

11.2 Requirements for Subcontractors

Ninyo & Moore subcontractor personnel must have completed introductory hazardous waste operations training or equivalent work experience as defined in OSHA Standard 29 CFR 1910.120(e) and eight hours of refresher training meeting the requirements of 29 CFR 1910.120(e)(8) prior to performing field work at the site. Subcontractor personnel serving as supervisors must also provide documentation of Supervisory training as per 29 CFR 1910.120(e)(4). Ninyo & Moore subcontractors must certify that each employee has had such training by providing copies of certificates for subcontractor personnel participating in site activities.

11.3 General Training Requirements

A matrix summarizing training requirements for Ninyo & Moore supervisors and personnel, subcontract personnel, visitors, and vendors is presented in Table 5.

Table 5 – Training Assignment Matrix								
Category	40-Hour Basic	8-Hour Refresher	24 Hours Supervised Experience	8-Hour Supervisor	Site-Specific	Miller Safety Orientation	Excavation Competent Person	First Aid/CPR
Ninyo & Moore Employee	X	X	X		X	X		
Ninyo & Moore Supervisor/SHSO	X	X	X	X	X	X		X
Subcontractor Supervisor	X	X	X	X	X	X	X	
Subcontractor Personnel	X	X	X		X	X		
Visitor	X	X	X		X			
Vendor	X	X	X		X			

12 CONFINED SPACE ENTRY

Confined spaces, including but not limited to trenches, ditches, holes, culverts, structures, and tanks, present multiple hazards including oxygen deficiency, toxic agent exposure, heat stress, engulfment, and other hazards.

Confined space entry is not anticipated nor is it authorized for project personnel or Contractors during this work activity. If it becomes necessary to enter a confined space or trench greater than 4 feet in depth during this project, appropriate training, equipment and supervision will be put in place and the entry will be made in accordance with a specific confined space entry permit approved by the Corporate Safety Manager and/or a trench entry will be performed in accordance with OSHA 29 CFR 1926.650-653. A designated OSHA-competent person provided by Ninyo & Moore, for confined space work, will be on-site during all confined space entry activities.

13 EMERGENCY RESPONSE

In the event of a medical emergency or fire during fieldwork at the site, the emergency telephone number shall be called from the on-site mobile phone. A mobile telephone will be available during field activities. On a daily basis, and at each work location, the SHSO and/or field team leader will verify that mobile phones are operational.

Pertinent personnel phone numbers are listed in Section 4. Emergency facility locations and phone numbers are listed below. Project vehicles shall maintain a copy of this section together with the appropriate emergency maps at all times, in a readily accessible location.

The emergency facility located in closest proximity to the site is the Riverside Community Hospital, 4445 Magnolia Avenue, Riverside, California. The route from the site to the hospital is shown in Figure A1.

Table 6 – Emergency Phone Numbers (to be kept by Site Health and Safety Officer)		
Emergency	**Number**	**Contact**
Medical, Fire or Police	911	Emergency Operator
Medical Center (to be used only if local hospital/clinic will be first contact)	951.788.3000	Riverside Community Hospital
Pollution Reporting	800.424.8802	National Response Center
Hazardous Materials Release	800.424.9300	CHEMTREC
Hazardous Materials Release	800.876.4766	Poison Control
Personnel Injury	916.263.2800	Cal/OSHA
Contact with underground utility	800.422.4133	Dig Alert

13.1 Emergency Route to Hospital

Directions to the Riverside Community Hospital from the site are described below and are shown in Figure 1 of this Health and Safety Plan. The hospital address is 4445 Magnolia Avenue in Riverside, California.

- Head southwest on Howard Avenue for approximately 0.2 mile.
- Turn right onto 14th Street. Continue for approximately 0.6 mile
- Turn left onto Magnolia Avenue. Destination will be on the right.

14 SPILL CONTAINMENT PROGRAM

Hazardous substances brought on site will be managed in such a way as to minimize the potential for a release.

Preventive Measures

- Inspect all containers upon delivery to the site for visible defects and ensure that each drum or container includes a re-sealable lid.
- Set any 55-gallon drums on wooden pallets to facilitate transport via forklift;
- Perform weekly inspections of the storage area;
- Select flat areas for temporary storage away from high-traffic zones and storm or sewer drains.

Spill Containment Measures

The following actions will be taken by Ninyo & Moore field personnel assigned to the field activities in the event of a spill:

- The Site Coordinator (field team leader) and SHSO are to be notified immediately;
- Workers not involved in spill containment and/or cleanup shall evacuate the immediate area and designated emergency response personnel attired in appropriate PPE (see Section 9), shall proceed to the spill area with a spill cleanup and control kit, including absorbent materials;

- Attempts shall be made to stop the source(s) of spillage immediately;
- The SHSO shall monitor for exposure to chemicals or hazardous substances during spill cleanup work and shall stay at the spill area until the area has been cleared, inspected, and readied for reentry. A spill incident report shall be prepared by the SHSO;

14.1 Record Keeping and Notifications

The SHSO shall thoroughly document the spill in an Incident Report which will be forwarded to the Corporate Safety Manager and Project Manager. Records of all hazardous materials releases shall be maintained with the project files and the facility operating record. The Project Manager will make any necessary notifications to off-site authorities and he and the Safety Manager will approve the reentry to the site for routine use and will issue a final release report pertaining to cleanup of the area.

15 SIGNATURES

All site personnel are required to read the above plan and by signing below, acknowledge that they are familiar with its provisions.

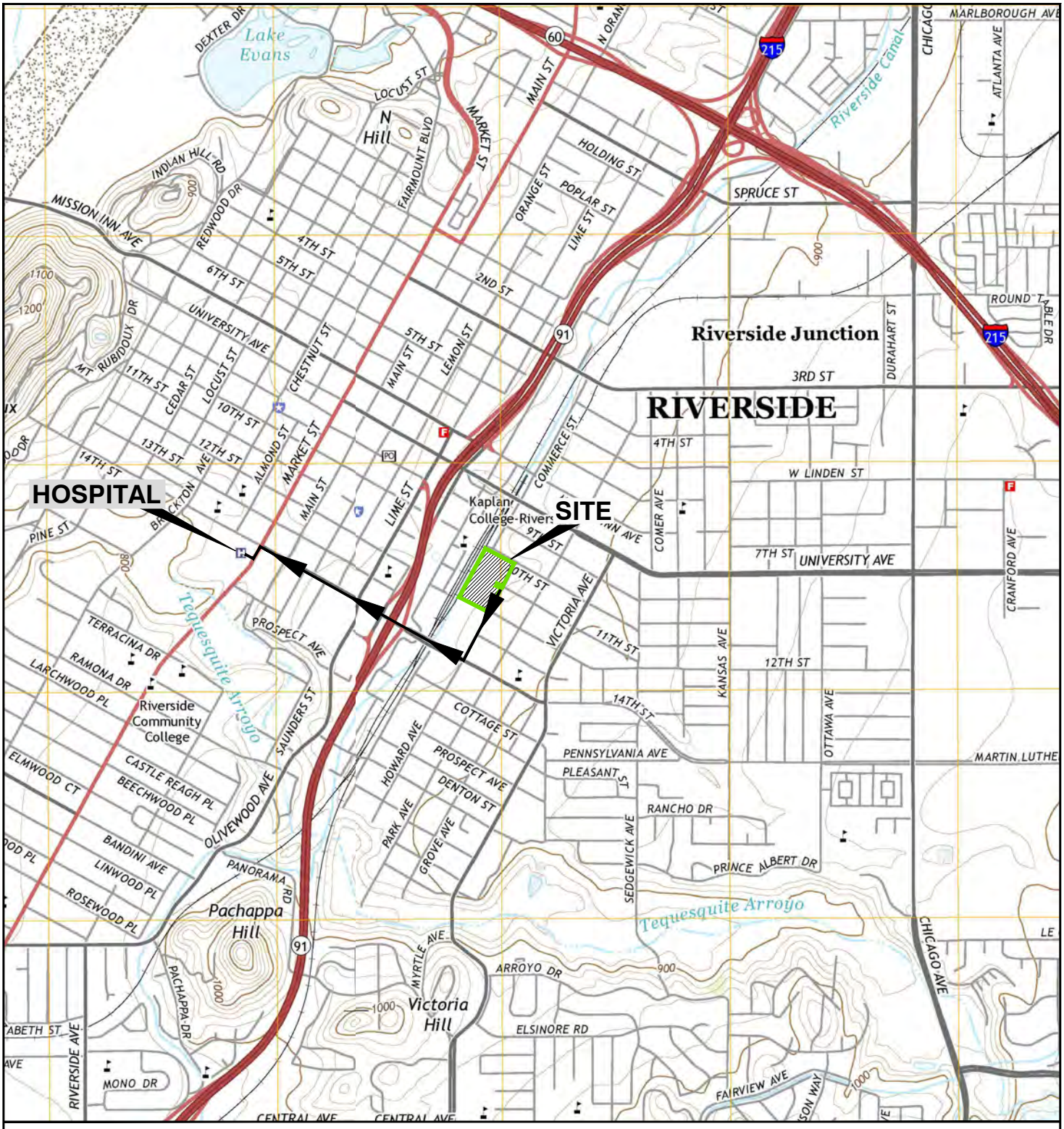
	Print Name	Signature/Date
Ninyo & Moore Personnel		
Field Team Leader/SHSO		
Field Team Members		
Field Team Members		
Field Team Members		
Field Team Members		
Field Team Members		
Contractors		
Client/Agency Personnel		

16 CERTIFIED INDUSTRIAL HYGIENIST REVIEW

The above Site Specific HSP has been reviewed and approved by the certified industrial hygienist (CIH) indicated below.

Stephen J. Waide, CIH, CSP
Certified Industrial Hygienist No. CP 7005
Expires 6/1/22

FIGURE



HOSPITAL ADDRESS
RIVERSIDE COMMUNITY HOSPITAL
4445 MAGNOLIA AVENUE
RIVERSIDE, CALIFORNIA

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

N

FEET
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FIGURE A1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

HOSPITAL ROUTE

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691009 I 4/19

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

7888 Cherry Avenue, Unit I | Fontana, California 92336 | p. 909.758.5960

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www.ninyoandmoore.com

ATTACHMENT B

Groundwater Comfort Letter from RWQCB

CALIFORNIA
Water Boards

GAVIN NEWSOM
GOVERNOR

JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Santa Ana Regional Water Quality Control Board

May 8, 2019

Hector Casillas, SR/WA
Acting Right of Way Manager
Riverside County Transportation Commission
4080 Lemon Street, 3rd Floor
Riverside, CA 92502
(HCasillas@RCTC.org)

POTENTIAL FOR ENVIRONMENTAL LIABILITY CONCERNING PROPERTIES OVERLYING DOWNTOWN RIVERSIDE CONTAMINANT PLUME (GLOBAL ID# SLT8R0373922)

Dear Mr. Casillas:

This is in response to the April 17, 2019 e-mail request to Nick Amini of our staff, requesting our general policies and approach for establishing liability for owners of the subject site (the Property), which consists of several improved tracts of land totaling approximately 7.15 acres, in the City of Riverside, Riverside County, California. Its Assessor Parcel Numbers are 211-201-004, 005, 006, 007, 008, 026, 037, 038 and 039. The attached maps depict the location of the parcels (Attachments 1 and 2).

We sent a response similar to this letter in March 2017 for Mad Atom Properties, LLC. It is our understanding that the Property was subsequently acquired by the Riverside County Transportation Commission.

The Property overlies a volatile organic compounds (VOCs) and nitrate groundwater contaminant plume commonly known as the Downtown Riverside/Riverside Plume. In the early 1980s, VOCs were detected in several emergency supply wells owned and operated by the City of Riverside in proximity to the Property. Several investigations, including soil and groundwater studies, were conducted at the Property in the early 1990s by the then-owner, FMC Corporation, in order to determine the probable source of the VOCs found in groundwater in the immediate area. The available technical data obtained from the investigations did not provide sufficient information to consider the FMC Corporation as the primary responsible party for the VOC-impacted wells. No responsible party has been identified, and the Santa Ana Regional Water Board currently has no ability to obtain investigation and cleanup of the groundwater contaminant plume; therefore, the FMC case has been reclassified as "open-inactive" in the State Water Resources Control Board's GeoTracker database.

The Property was used for gas production and distribution by Riverside Manufactured Gas Plant (MGP), Edison Electric Company, Southern California Edison Company and The Gas Company, from 1887 to 1911. From 1911 to 1959, a section of the subject site was used by The Gas Company as a natural gas storage facility. In the 1930s, Riverside Foundry and Machine Works operated a foundry at the south section of the Property. FMC bought the majority of the Property, and handled waste oil and solvents until the early 1980s. During FMC ownership, operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft. Since the mid-1980s, portions of the Property were owned and operated by both the Royal and Wolverine Western corporations. The Wolverine Western Corporation was a manufacturer of fruit packaging machinery and associated parts. Royal Corporation operated a citrus packinghouse.

Between July 2010 and February 2011, extensive soil excavation and removal in the former gas plant and gas storage areas at the Property was conducted by The Gas Company's environmental consultant. The excavation depths for the remediation at the Property varied between 2 feet below ground surface (bgs) in shallow impacted areas and 52 feet bgs in the deep total recoverable petroleum hydrocarbons (TRPH) impacted area. The total quantity of soil removed during the remediation was approximately 45,042 tons of non-hazardous TRPH- impacted soils. Approximately 26 tons of non-hazardous lead-impacted soils and 131 tons of non-hazardous tar-impacted soils were disposed of at a class II waste management facility.

Based on the completion of soil excavation and the results of the post-remediation monitoring, Regional Water Board staff believes that, in the event that the Property is redeveloped in the future for residential purposes, some form of vapor mitigation measures (such as a sub-surface vapor barrier system) would be necessary to address chlorinated VOCs in soil gas (i.e. tetrachloroethene and trichloroethene) that are not attributable to MGP, due to potential cancer risks associated with the vapor intrusion pathway. Regional Water Board staff does not believe that additional restrictions with regard to potential exposure via the vapor intrusion pathway would be necessary for either current or future commercial/industrial use of the Property.

According to the City of Riverside Water Operations staff, two of the supply wells owned by the City in the proximity of the former FMC Corporation are used for irrigation supply via discharge to the Riverside Irrigation Canal. These wells have historically been used for irrigation purposes in the past 20 years.

It has been the practice of the Regional Water Board to identify owners and operators of properties who either caused or contributed to the associated contamination as the parties responsible for assessment, monitoring and cleanup of such properties. Although the Regional Water Board has statutory authority to do so, as a matter of general policy, the Regional Water Board does not typically pursue site mitigation enforcement against owners and/or operators of a particular site if:

- They do not exacerbate or contribute to the existing pollution;

- Their operations at the site will not result in health risks to persons on the site;
- They are not responsible for, or affiliated with any party who is identified as responsible for, creating or allowing the existing contamination;
- They cooperate with ongoing cleanup efforts by allowing all necessary site access;
- They take all reasonable steps to prevent unauthorized disposal on the site; and
- There are other viable responsible parties who are willing and able to conduct any necessary remediation.

Additionally, we recommend that subsequent property owners and/or operators avoid the use of any substances of concern at the site in the future, in order to ensure that no questions arise regarding the contribution to, or exacerbation of, the existing condition.

Accordingly, based on the available information related to the Property, the Regional Water Board would generally not order the current or future owners of the Property as parties responsible for remediating the contamination that exists on and under the Property. The Regional Water Board does expect full cooperation by the former, current and any prospective owners of the Property in the form of reasonable site access to conduct any necessary testing, monitoring or cleanup by the parties responsible for the soil and groundwater contamination beneath the Property.

The determination that Riverside County Transportation Agency and its prospective buyers, tenants or subtenants of the Property will not, at this time, be held responsible for the investigation and cleanup of the Property is based on the information and data currently available to the Regional Water Board. In the event that new information is received that supports another conclusion, this determination is subject to change.

If you have any questions, please contact the Chief of our Site Cleanup Program, Nick Amini, at (951) 782-7958 or by e-mail: nick.amini@waterboards.ca.gov.

Sincerely,

Hope Smythe

Hope A. Smythe
Executive Officer

Attachments: 1. Assessor's Map BK211-PG20
2. Areal Map showing Parcel numbers

cc: Jay Roberts – Ninyo & Moore (jroberts@ninyoandmoore.com)

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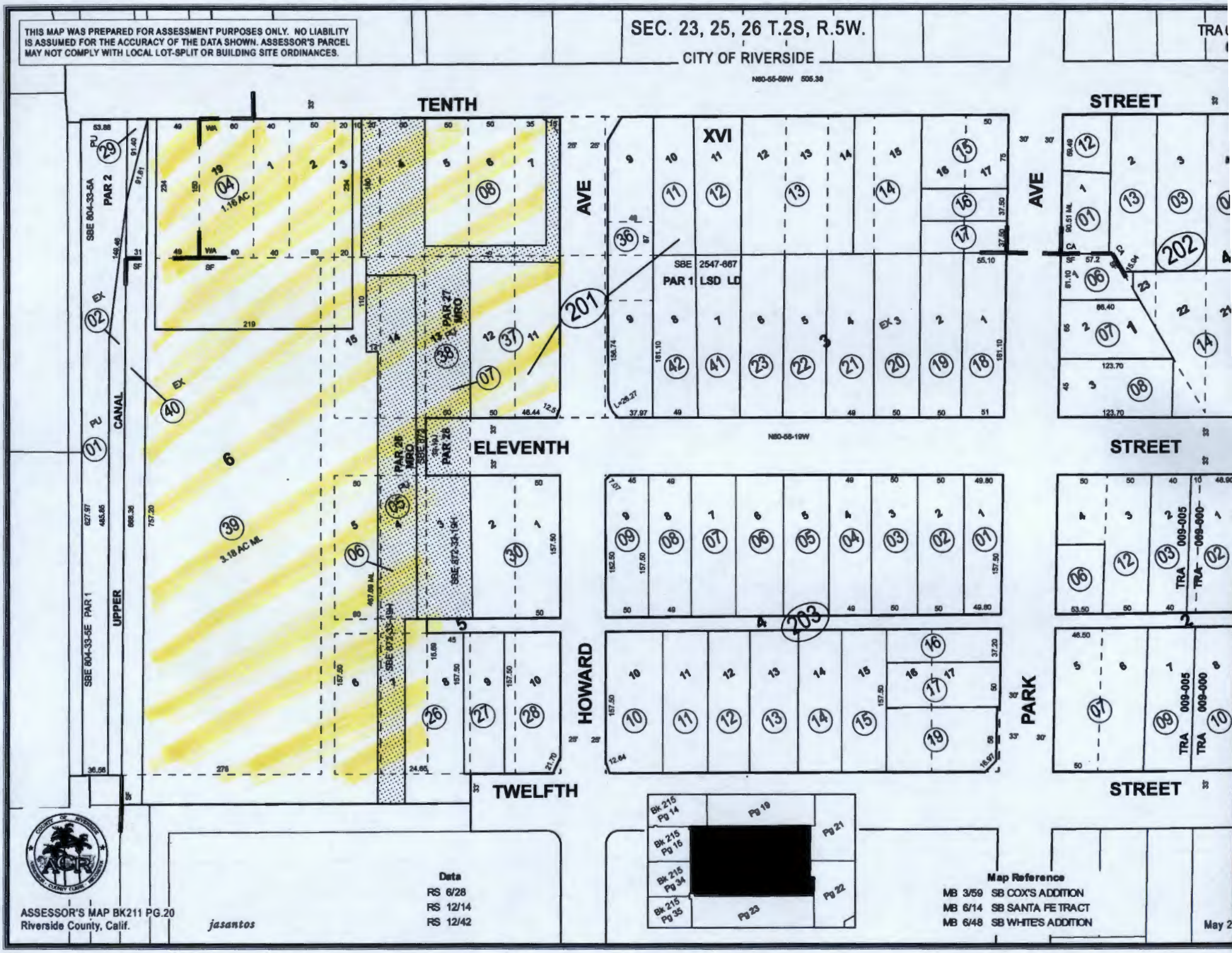
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SEC. 23, 25, 26 T.2S, R.5W.
CITY OF RIVERSIDE
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MB 6/48 SB WHITE'S ADDITION
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Riverside County, Calif.
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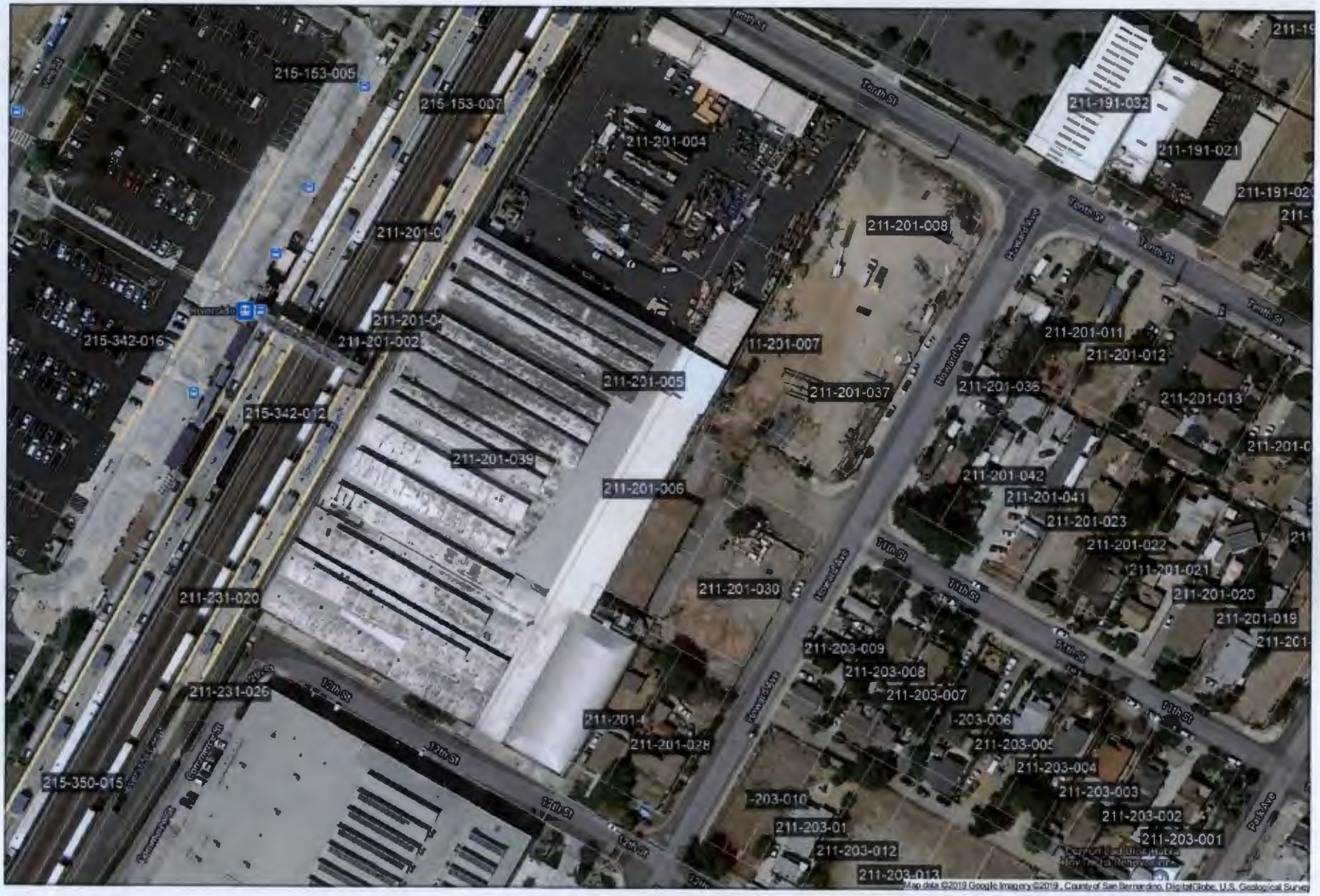
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Tenth St
Howard Ave
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Park Ave
Map data ©2019 Google Imagery ©2019 , County of San Bernardino, DigitalGlobe, U.S. Geological Survey

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Response to Department of Toxic Substances Control for Technical Memorandum Work Plan, Limited Phase II Environmental Site Assessment, 10 APNs Adjacent to the Riverside Downtown Metrolink Train Station, Riverside, California

Reviewer/ Comment No.	DTSC Review Comment	RCTC Response to Comment	Revision Topic
Specific Comments Project Toxicologist– Loveriza Sarmiento on May 14, 2019			
1	This document addresses HERO's comment to include a conceptual site model (CSM).	This comment is noted.	Conceptual Site Model
2	The document does not address the question regarding how the soil vapor data will be evaluated if the entire area will be developed into a parking lot. The response that soil vapor data will be compared to applicable regulatory screening levels is inadequate. What are the applicable regulatory screening levels?	Soil vapor concentrations in the subsurface will be conservatively compared to commercial land use screening levels in the subsurface, i.e. those typically used for vapor intrusion. These are intended to evaluate a relative level of concentrations beneath the site for use by RCTC. Site-specific screening levels can be developed for construction worker exposure in a risk assessment. This has been updated in the Conceptual Site Model section.	Screening Levels
3	HERO does not agree with the response that development of risk-based criteria, particularly for the construction worker scenario, is beyond the scope of the Limited Phase II Environmental Site Assessment (ESA). One of the stated objectives of the Phase II ESA is to estimate the potential threat to public health and the environment (refer to page 3 of this TM Workplan). Previous assessment have identified chemicals of potential concern in soil. The Riverside County Transportation Commission (RCTC) should indicate how the construction worker will be protected against unacceptable exposures to soil contaminants during redevelopment activities.	We agree that the objective of the Phase II ESA is to estimate threat to future public health. Therefore, we will be comparing our results to conservative, commercial land use screening levels, in the off-chance that RCTC wishes to place a building on the property in the future. The analytical results will be provided to DTSC. A risk assessment for construction worker exposure may be completed following the Phase II ESA that will determine areas requiring remediation for protection of construction workers. The use of commercial land use screening levels is added to the Conceptual Site Model section.	Screening Levels
4	The response indicates that the RCTC will be evaluating the soil conditions up to 25 feet below ground surface (bgs) to identify potential future liabilities. However, the report does not identify the criteria indicating the absence of future liabilities.	Soil samples up to 25 feet bgs will be compared to commercial land use screening levels. These levels will give conservative criteria for how the site should be handled. In addition, soil vapor results will give a good indication as to what contaminants are located within the soil.	Screening Levels

Response to Department of Toxic Substances Control for Technical Memorandum Work Plan, Limited Phase II Environmental Site Assessment, 10 APNs Adjacent to the Riverside Downtown Metrolink Train Station, Riverside, California			
Reviewer/ Comment No.	**DTSC Review Comment**	**RCTC Response to Comment**	**Revision Topic**
Conclusion	Except for the inclusion of a CSM, the revised TM Workplan does not present specific details on how the site will be assessed. If shallow soil vapor samples will be collected, then this workplan should specify the "applicable regulatory screening levels" that will be applied because the area will be a parking lot. Soil vapor data are evaluated for potential concerns due to vapor intrusion or for potential impact to groundwater. If vapor intrusion is not applicable, then potential impact to groundwater is another environmental concern. However, the report does not state the depth to groundwater. If the soil vapor data will be compared to levels that are protective of groundwater, then soil vapor concentrations that are protective of groundwater should be developed.	As discussed and agreed upon by DTSC and Ninyo & Moore, the results of the Phase II ESA will be conservatively compared to DTSC commercial land use screening levels for soil and soil vapor, in the off-chance that RCTC erects a building in the future. The depth to groundwater has been added to the report.	Screening Levels/ Groundwater
Specific Comments, Project Geologist– Pete Cook, PG, CHG. on April 26, 2019			
1(a)	This Comment 1 addresses all wells and wastes at the properties, not just the former manufactured gas plant (MGP) portion nor solely MGP wastes.	This comment is noted.	Groundwater
1(b)	The Regional Water Quality Control Board (RWQCB) has not declared that FMC Corp is not considered a ground water contaminant source, and the site with the RWQCB maintains a status of "open-inactive."	Based on several investigations on FMC parcel, during the 1990s, RWQCB has declared there was insufficient data developed at that time to indicate the FMC Corp is a primary contaminant source. As you suggest, they have not ruled out the possibility of its contribution to the plume. This verbiage has been added in the "Groundwater" section of the work plan.	Groundwater
1(c)	Regardless of the site proponents' determination regarding routes of exposure within the proposed development scenario, legal liability for ground water impacts extends to all owners and operators at the parcels, historic or current. If releases at the parcels are impacting ground water, the releases must be mitigated.	The RWQCB has issued a letter of comfort to RCTC, based on data developed during the 1990s. If RCTC does not exacerbate the contaminated plume, RCTC will not be held liable for monitoring and remediation. However, the Phase II results may change the current view that FMC did not impact groundwater. This verbiage has been added in the "Groundwater" section of the work plan.	Groundwater
2	The document includes the intent to collect soil samples for polychlorinated biphenyl (PCB) analysis and heavy metal analysis from various depths. The shallowest soil samples for these relatively-immobile contaminants should be collected at first soil below paving and base, or at the surface if unpaved. It is agreed that "Surface" in Table 1 shall indicate "first soil encountered," as stated on report page 6.	This comment is noted. We have included this description of surface soil in Table 1.	Surface Soil Sampling

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Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

June 7, 2019

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor
P.O. Box 12008
Riverside, California 92502

TECHNICAL MEMORANDUM WORK PLAN LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT10 APNS ADJACENT TO THE RIVERSIDE DOWNTOWN METROLINK STATION, RIVERSIDE, CALIFORNIA

Dear Mr. Casillas:

The Department of Toxic Control Substances has reviewed the revised Technical Memorandum Work Plan Limited Phase II Environmental Site Assessment (Work Plan) dated May 28, 2019, prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) for the above referenced site (Site). DTSC earlier commented on the Work Plan dated November 2018 and April 2019 in March, April and May 2019. The Work Plan presented the historical operations and the previous Phase I Site Assessment done on the Site. It has also established Phase II Environment Site Assessment Objectives, Site Conceptual Model, Phase II Field Sampling Plan, Procedures and Health & Safety Plan.

Based on the review of the Work Plan, DTSC noted that the comments/concerns are appropriately addressed and hereby approves the Work Plan. Please submit the field work schedule when available. If you have any questions please contact me at (818) 717-6552 or e-mail at chand.sultana@dtsc.ca.gov.

Sincerely,

Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Restoration Program - Chatsworth Office

cc: See next page

Printed on Recycled Paper

cc: John Jay Roberts, PG, CEG (via e-mail)
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

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Revised Limited Phase II Environmental Site Assessment

10 APNs Adjacent to the Riverside Downtown Metrolink Station
Riverside, California 92502

Riverside County Transportation Commission

4080 Lemon Street, Third Floor | P.O. Box 12008 | Riverside, California 92502

April 30, 2020 | Project No. 209691009

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Revised Limited Phase II Environmental Site Assessment

10 APNs Adjacent to the Riverside Downtown Metrolink Station Riverside, California 92502

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor | P.O. Box 12008 | Riverside, California 92502

April 30, 2020 | Project No. 209691009

PROFESSIONAL GEOLOGIST
JOHN JAY ROBERTS
No. 3489
STATE OF CALIFORNIA

Audrey Carroll
Staff Geologist

John Jay Roberts, PG, CEG
Principal Geologist

AUC/JJR/sc

Distribution: (1) Addressee (via e-mail)

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A – DTSC Correspondence and Ninyo & Moore Responses

B – DTSC Work Plan Approval Letter and Other Documentation

C – Boring Logs

D – Field Procedures

E – Analytical Laboratory Reports

F – Waste Manifest

1 INTRODUCTION

Ninyo and Moore has prepared this Revised Limited Phase II Environmental Site Assessment (ESA) report in response to comments received from the Department of Toxic Substances Control (DTSC) in correspondence dated October 10, October 15, October 17, 2019 and December 13 and 19, 2019. Copies of these DTSC documents are provided in Appendix A. The comments requested clarification on presentation of detection limits, leak check compound (LCC) detections, inclusion of a conceptual site model (CSM), discussion of a construction worker scenario, discussion on addressing exceedances of arsenic, lead, total petroleum hydrocarbon (TPH) as gasoline (TPHg) and tetrachloroethylene (PCE). In addition to revising this report, Ninyo & Moore prepared a table of our responses to the DTSC comments that is also included in Appendix A.

From July 17 to 19, 2019, Ninyo & Moore conducted a Limited Phase II ESA on behalf of the Riverside County Transportation Commission (RCTC, client) of the properties encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station in Riverside, California (site, Figure 1). The site is proposed to be purchased by RCTC and developed as part of the Riverside Downtown Metrolink Station project into a paved parking lot. The Limited Phase II ESA was conducted in general accordance with our Technical Memorandum Work Plan, dated May 28, 2019 (Ninyo & Moore, 2019), and the DTSC work plan approval letter dated June 7, 2019 (DTSC, 2019). A copy of the DTSC approval letter is provided in Appendix B. The Limited Phase II ESA was overseen by a Ninyo & Moore California-Licensed Professional Geologist.

On January 23, 2020, the RCTC, DTSC and Ninyo & Moore had a conference call to discuss responses to the December 13 and 19, 2019 DTSC comments and the path forward to receive a No Further Action (NFA) for the site. The DTSC indicated that to receive a NFA, the following items would need to be addressed:

- A Soil Management Plan (SMP) would be prepared and implemented to protect construction workers
- Show acceptable risk to receptors by preparing a site-specific Human Health Risk Assessment (HHRA)
- Evaluate no impact to groundwater from readily available information, or
- Have a Land Use Covenant (LUC) that restricts construction of buildings on the site

On March 23, 2020, Ninyo & Moore submitted a site-specific HHRA to the RCTC. The objective of the HHRA was to evaluate whether man-made chemicals detected in soil and soil vapor at the site represent a threat to future onsite and offsite receptors. The HHRA's summary, conclusions and recommendations are provided in Section 11 of this report.

2 PROJECT OBJECTIVES

The overall project objectives of the Limited Phase II ESA include:

- Establish the nature of chemicals of potential concern (COPCs) that may be present in soil and soil vapor at the site and their concentrations.
- Estimate the potential threat to construction workers, public health, and the environment posed by COPCs at the site.
- Preliminarily evaluate soil removal and remediation needs based on the results of the Limited Phase II ESA, which may affect the site purchase negotiations.

3 SITE LOCATION AND DESCRIPTION

The site is located east and adjacent to the Riverside Downtown Metrolink Station in Riverside, California (Figure 1). The site is comprised of the following properties: 3034 and 3084 10th Street; 3010 11th Street; and 3009, 3021, and 3087 12th Street in Riverside, California. The site totals approximately 7 acres and is comprised of the following 10 Riverside County Assessor's Parcel Numbers: 211-201-004, -006, -007, -008, -025, -027, -028, -030, -037, and -039. Municipal water well operated by the City of Riverside is located at the northwest corner of the manufacturing building (Area C). The site is bound by 10th Street to the north, Howard Avenue to the east, 12th Street to the south, and Metrolink train tracks and platform to the west (Figure 2).

The site has been subdivided into the following areas (Figure 2):

- Area A – Formerly occupied by Southern California Gas Company (current Mad Atom LLC) at 3084 East 10th Street in the northwest portion of the site.
- Area B – Formerly occupied by Home Oil and Royal Citrus/MLM Trucking (current storage yard for Mad Atom LLC) at 3034 East 10th Street in the northeast portion of the site.
- Area C – Formerly occupied by Food Machinery and Chemical Corporation (FMC Corp.) (current Mad Atom LLC) at 3075 and 3087 12th Street in the southwest portion of the site.
- Area D – Formerly occupied by Campbell Oil and Poma Distributing at 3010 11th Street in the southeast portion of the site.
- Area E – Residences at 3009 and 3021 12th Street in the southeast corner of the site. Area E is not a part of this Limited Phase II ESA.

Plans exist to develop the site into a paved train platform for the Riverside Metrolink Station. The majority of the site will be an open air parking lot. As planned, there will be an elevator tower to connect to an overhead pedestrian crossing. There will be no habitable buildings or buildings of any kind at the site. Improvements such as canopies, wind guards, light stanchions may be added in the future.

4 ENVIRONMENTAL BACKGROUND

4.1 Summary of Previous Investigations

In April 2018, Ninyo & Moore conducted a Phase I ESA for the site on behalf of the RCTC (Ninyo & Moore, 2018). At the time of the 2018 site reconnaissance, Areas A, B, and C were occupied by Prism Aerospace (Prism), a manufacturer of airplane parts and other miscellaneous metal goods. Area D (3010 11th Street) was vacant and used for freight truck parking. Area D also contained an abandoned soil vapor extraction (SVE) system within a fenced enclosure. Area E was developed with two residences (3009 and 3021 12th Street).

According to historical records, a manufactured gas plant (MGP) operated in Area A from 1888 to 1911. From 1911 to 1959, Southern California Gas Company utilized the property for the storage of natural gas with a gas booster pump house. Several evaluations found polycyclic aromatic hydrocarbons (PAHs), benzidine, PCE, naphthalene, polychlorinated biphenyls (PCBs), arsenic, and lead were present in some locations at concentrations that would pose a health risk to occupants in a residential land use setting. Excavation and transport of soils for ex-situ treatment at a thermal desorption facility was selected as the remedial alternative. From July 2010 to February 2011, approximately 45,000 tons of non-hazardous soil at depths ranging from 2 to 52 feet below ground surface (bgs) was removed. Following remedial activities, a soil gas monitoring program was established. Soil gas monitoring indicated a stabilizing trend for benzene, naphthalene, and chlorinated hydrocarbons.

Activity use limitations (AULs) exist at portions of the former Southern California Gas Company property (Areas A and C) where excavation of impacted soil could not be conducted due to the presence of buildings (Figure 2). LUCs on these portions dictate that the area shall not be used for sensitive receptors, soil disturbance activities shall not be conducted without the preparation of a SMP and consent of the DTSC, and groundwater monitoring wells shall not be disturbed, among other provisions. Based on an approval letter from DTSC, dated February 20, 2014, each of the monitoring wells and soil vapor probes installed following remediation on the site have been abandoned (Appendix B).

According to historical record sources, Home Oil occupied Area B from 1931 to 1967. The facility contained numerous oil tanks, loading docks, and a pump house. An evaluation was conducted by the DTSC in 2007. Several hazardous materials were improperly stored in the open yard at the northeast portion of Area B. Soil staining was observed around some of the areas. Surface soil samples collected in January 2008 contained elevated levels of petroleum hydrocarbons. Petroleum-impacted soil was disposed at U.S. Ecology in Beatty, Nevada. Based on soil sampling and testing, Phillips Petroleum's environmental consultant stated that additional near-surface

investigations and dig and haul operations of petroleum-impacted soil might be required to achieve residential land use cleanup goals.

The former FMC Corp. (Area C) operated from 1940 until the early 1980s. Operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft from 1940 until the early 1980s. During the removal of a waste oil underground storage tank (UST), sludge and oil leaks were discovered that triggered an environmental evaluation and monitoring program by the Santa Ana Regional Water Quality Control Board (RWQCB). Subsequent groundwater monitoring found that volatile organic compounds (VOCs) concentrations were higher upgradient of the FMC Corp. (offsite), and therefore FMC Corp. could not be considered the primary responsible party but maybe one of many contributors of a comingling VOC plume. The RWQCB provided RCTC with a letter of comfort stating that based on available information, as long as the RCTC meets certain conditions, they will not be held liable for future cleanup or monitoring activities (see Appendix B). These provisions include not exacerbating the current issue, not affiliating with the responsible party, cooperating with cleanup efforts, among others. Other environmental concerns noted in Area C include the following:

- A former railroad track, which was covered with concrete, was observed trending northeast-southwest in the middle of the site.
- An abandoned elevator shaft was observed at the southern portion of the manufacturing building, with an associated pump and hydraulic oil system. The exact age of the elevator is unknown, but has been inoperable for many years and is not permitted with the City of Riverside Department of Building and Safety (Building Department). During our site visit on July 12, 2019 to mark out borings, Mr. Jeff Gove, Prism's chief maintenance person stated that the elevator was water-powered, and has not been used in years due to leaking water reservoir when it was tried to be filled with water many years ago.

Campbell Oil formerly occupied Area D between 1948 and 1991, when Mr. Mike Poma purchased the property out of bankruptcy. An assessment was conducted by Campbell Oil, and petroleum hydrocarbons were encountered at elevated levels in soil samples up to 20 feet bgs. Excavation was conducted; however, petroleum impacts reportedly extended beyond the excavation. Mr. Poma filed a lawsuit against Campbell Oil. An SVE system operated at Area D from July 22, 1999 to October 2000 and removed approximately 1,960 pounds of petroleum. The SVE system was stopped because the SVE company (Park Corporation) went out-of-business. A follow-up evaluation was conducted in August 2002, which reported petroleum in the gasoline range in one boring at a maximum concentration of 13,000 milligrams per kilogram (mg/kg) mg/kg to a depth of 30 feet bgs. The RWQCB case is currently open and inactive. Based on a site visit and discussions with Mr. Poma the aboveground equipment for the SVE has been destroyed by vandalism. The underground piping and wells remain intact to his knowledge.

The following recognized environmental conditions (RECs) were reported during the Phase I ESA (Ninyo & Moore, 2018):

- The historical presence of a railroad right-of-way (ROW) on the site presents a potential for contamination resulting from leaks or spills from the railcars or historic application of surface chemicals during railroad operations.
- The presence of an abandoned elevator shaft with an associated pump and hydraulic oil system (suspected at that time, which was later found to be water-powered) at the southern portion of the manufacturing building (Area C).
- The site overlies the Riverside Plume, a known groundwater plume impacted with VOCs, pesticides, herbicides, nitrate, and perchlorate. Sampling of groundwater between 2005 and 2008 showed significant VOC impacts (primarily PCE and trichloroethylene [TCE]) in the site vicinity.
- Due to historical industrial operations by the FMC Corp. and known use of solvents, contaminated soil may be present beneath Area C.
- The remedial action and acceptance by the DTSC in Area A associated with the former MGP within the portions of the area that were remediated is considered an Historic REC (HREC).
- AULs exist for portions of Areas A and C where excavation of contaminants could not be conducted due to accessibility issues. The presence of the LUC on portions of the site is considered a Controlled REC (CREC).
- The presence of petroleum-impacted soil associated with the inactive case at Area D (former Campbell Oil) is a REC.
- The potential presence of petroleum-impacted soil in Area B associated with the former Home Oil is considered a REC.
- Based on historical research and the results of the vapor encroachment screening matrix conducted by Ninyo & Moore, a vapor encroachment condition exists beneath the site.

4.2 Conceptual Site Model (CSM)

A revised CSM, Figure 3, has been prepared to aid in the understanding of how the results of this Phase II will be evaluated. The revised CSM shows the commercial/industrial worker, the construction worker, and the off-site residents as potential receptors.

Four primary sources of environmental risk have been identified for the site: the former MGP, historical use of solvents, petroleum releases, and historical railroad operations. Because the site is planned for development into a paved parking lot and passenger loading station, the route of exposure for contact with impacted soil, soil vapor, groundwater, and surface water runoff is considered incomplete for future passengers. Additionally, there are no planned site occupants.

Soils were sampled up to 25 feet bgs to aid in the understanding of the potential for risk both to future construction workers as well as potential liabilities associated with property purchase. The

complete exposure pathway would be for the construction crew during future earthmoving activities at the site, which would disturb the soil up to 20 feet bgs. The soil and soil vapor analytical results from this Limited Phase II ESA were compared to commercial screening levels developed by the DTSC, i.e., Human Ecological Risk Office (HERO) Note 3, as a conservative, health-protective approach.

5 PHYSICAL SETTING

The following sections include discussions of topographic, geologic, and hydrogeologic conditions in the site vicinity.

5.1 Topography

Based on a review of Google Earth™ and the United States Geological Survey (USGS, 2012), 7.5-Minute Topographic Quadrangle Map Series, Riverside East, California, the site elevation ranges from 870 to 890 feet above mean sea level. The regional topography is generally flat and slopes gently to the west-northwest.

5.2 Site Geology

According to the Geologic Map of the Riverside East/South ½ of San Bernardino South Quadrangles, the majority of the site is underlain by alluvial gravel and sand of stream channels. The northern portion of the site is underlain by alluvial fan deposits, which are described as tan to light reddish brown sand with minor gravel (Dibblee & Minch, 2003).

Soil encountered during this evaluation consisted of fill and/or alluvium. Fill was encountered at approximate thicknesses ranging from 1 to 20 feet, and generally consisted of light to dark brown sand, silt, sandy silt, and silty sand. Alluvium was encountered at depths ranging from just beneath the surface to approximately 25 feet bgs. Alluvium generally consisted of medium and light brown to reddish brown, sand, silt, silty sand, and sandy silt to the total depth explored (25 feet bgs). Detailed descriptions of the subsurface materials encountered beneath the site are presented in the boring logs (Appendix C).

5.3 Hydrogeology

Based on groundwater measurements collected in 2008 from the site vicinity, groundwater was anticipated to be encountered at a depth of 100 to 110 feet bgs. The groundwater gradient was reported to flow towards the south-southwest. Groundwater levels, gradient, and flow direction can fluctuate due to seasonal variations, groundwater withdrawal or injection, changes in land use, and other factors.

6 LIMITED PHASE II ESA

The following sections describe activities that were conducted for this Limited Phase II ESA. Field activities conducted at the site included advancing and sampling 19 borings (B1 to B19) and an alternate boring (B4A), and installing and sampling temporary soil vapor probes. The approximate locations of the borings are presented in Figure 2. Field sampling procedures are described in Appendix D.

6.1 Site-Specific Health and Safety Plan (HSP)

Prior to implementing the field evaluation, a site-specific HSP was prepared. The HSP provided a site-specific scope of work, listed hazards associated with the COPCs that may be present at the site, and also included soil management practices, in accordance with DTSC's LUC on portions of the site. Prior to the initiation of field activities, a site safety briefing was conducted daily to discuss potential physical and chemical hazards and outlined measures to be taken in the event of an emergency. On-site personnel signed the safety form acknowledging their participation in the daily briefing.

6.2 Underground Service Alert and Geophysical Survey

Prior to commencement of the soil sampling activities, the proposed soil boring locations were marked with white spray paint or a flag was placed in the proposed location. Underground Service Alert of Southern California was notified of the intent to conduct the subsurface evaluation activities at least 72 hours prior to initiation of intrusive field tasks. An Inquiry identification number was obtained for the boring locations (A191930608).

On July 17, 2019 Spectrum Geophysics of Huntington Beach, California conducted a geophysical survey of the proposed boring locations. The survey was intended to clear the boring locations of metallic underground utilities.

6.3 Field Activities

From July 17 to 19, 2019, Strongarm Environmental, Inc. (Strongarm) of Norwalk, California, advanced 20 soil borings under the oversight of Ninyo & Moore personnel. With the exception of B4, each of the borings were advanced to 5 feet bgs using a hand auger, then advanced to a maximum depth of 25 feet bgs using a Geoprobe 6620DT track-mounted direct push drill rig. At boring B4, hand auger refusal was encountered at 4 feet bgs and an alternate boring location (B4A) was selected approximately 20 feet to the southeast. In boring B12, drill rig refusal was encountered at 20 feet bgs. The field sampling plan, which includes soil and soil vapor sample locations, analyses, and depths are listed in the table below.

Field Sampling Plan						
Area	REC	Boring ID	Soil Sample Depths (feet bgs)	Specified Soil Analyses	Soil Vapor Probe Depths (feet bgs)	Specified Soil Vapor Analysis
A & C	Former MGP, Land Use Covenant	B1, B2, B3, B4/B4A, B5	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, PCBs, PAHs, Title 22 Metals	5, 15	VOCs
B	Former Home Oil	B6, B7, B8	Surface, 5, 10, 15 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, SVOCs, Title 22 Metals	5, 15	VOCs
C	Former FMC Corp	B9, B10, B11	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, SVOCs, Title 22 Metals	5, 15	VOCs
C	Elevator Shaft	B12	Surface, 5, 10, 15, 20 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, PCBs	--	--
C	Former Railroad ROW	B13, B14, B15, B19	Surface, 1, 2, 5 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, PCBs, PAHs, OCPs, Title 22 Metals	5	VOCs
D	Former Campbell Oil	B16, B17, B18	Surface, 5, 10, 15, 20, 25 (2 samples selected for analyses, rest on hold)	TPHs, VOCs, SVOCs, Title 22 Metals	5, 15	VOCs

Notes:
-- not analyzed
dups – duplicates
ID – identification
OCPs - organochlorine pesticides
PAHs – polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SVOCs – semi-volatile organic compounds
TPHs – total petroleum hydrocarbons

6.3.1 Soil Sampling Procedures

In general, soil samples were collected at 5-foot intervals to total depth, with the exception of borings advanced around the railroad ROW that were collected at surface, 1, 2 and 5 feet bgs. Samples to be analyzed were selected based on the observation of staining or odors, and/or elevated photoionization detector (PID) readings (above 10 parts per million by volume [ppmv] above background [ambient air]). A minimum of two samples were analyzed per boring. Samples to be analyzed for TPHg and VOCs were field-preserved in general accordance with United States Environmental Protection Agency (EPA Method 5035). If elevated PID readings are not detected, the two shallowest samples were analyzed. For Title 22 Metals and PCBs, the shallowest soil samples (first encountered soil and 5 feet bgs) were analyzed regardless of PID reading. The sample containers were labeled, placed in a cooler containing ice, and transported following standard chain-of-custody protocols to Enthalpy Analytical, LLC, a State-certified fixed environmental laboratory. Analytical reports and chain-of-custody documentation are provided in Appendix E.

Soil samples were observed and logged in accordance with the Unified Soil Classification System (USCS). Soil descriptions, sample type and depth, texture, color, density or

consistency, odor, moisture content, and related drilling information were recorded on the boring logs (Appendix C).

Soil samples were field screened using a PID calibrated to isobutylene. A portion of the sample was placed in a Ziploc™ bag. The sample was agitated and set aside for approximately 15 to 30 minutes to allow organic vapors, if present, to accumulate in the void space of the bag. Readings from the PID were used to provide a field evaluation of the presence and relative concentrations of VOCs in soil. PID measurements were also recorded on the boring logs.

6.3.2 Temporary Soil Vapor Probe Installation

After the drilling and soil sampling, temporary nested soil vapor probes were installed in accordance with the 2015 DTSC Advisory - Active Soil Gas Investigation (DTSC, 2015) and the approved work plan. Probe tips were placed at depths designated in Section 6.3, and were generally dual-nested at approximately 5 and 15 feet bgs. Each vapor probe was centered in one foot of sand pack. The remainder of the borehole was backfilled with hydrated, granular bentonite. The temporary vapor probes were allowed to equilibrate for at least 48 hours before collecting soil vapor samples.

6.3.3 Soil Vapor Sampling Procedures

H&P Mobile Geochemistry, Inc. (H&P) was contracted to perform soil vapor sampling on July 22 and 23, 2019. Before sampling the temporary soil vapor probes, three purge volumes were removed from the sampling train at a rate of approximately 200 milliliters per minute. An LCC, 1-1-difluoroethane, was applied at the surface and was included in the list of analytes to evaluate whether breakthrough from the surface bentonite seal occurred. Soil vapor samples collected from each probe were analyzed for VOCs in general accordance with EPA Method 8260SV using an Environmental Laboratory Accreditation Program (ELAP) mobile laboratory (Appendix E).

6.3.4 Backfill

Borings with probes were not backfilled, but were covered with a steel plate or PVC cap, as requested by the DTSC geologist. This was requested as a contingency, in case the DTSC geologist wanted supplemental analyses for VOCs. The other borings were filled and resurfaced to existing grade, whether it be soil, asphalt, or concrete.

6.4 Investigation Derived Wastes (IDW)

Single-use equipment/items, such as gloves, were disposed as municipal waste. Single-use equipment, which could still be re-used was rendered inoperable prior to its disposal. Soil cuttings and decontamination water were containerized in two Department of Transportation-compliant 55-gallon drums, labeled appropriately, and stored in a secure location pending waste characterization.

Based on the waste characterization analytical results received from Enthalpy, the soil cuttings generated from investigation activities were considered non-hazardous. The waste drums were removed and disposed off-site by Belshire Environmental Services, Inc. on September 20, 2019. A copy of the non-hazardous waste manifest as signed upon pickup of the soil drum is provided in Appendix F.

7 ANALYTICAL RESULTS

Soil analytical results are presented in Tables 1 through 4, and discussed in Sections 7.1 to 7.6. Soil analytical results were compared to the EPA Regional Screening Levels (RSLs) for industrial soil, DTSC HERO Screening Levels (DTSC-SLs) for commercial/industrial land use (DTSC, 2019a), the DTSC Determination of Southern California regional background arsenic concentration in soil (DTSC, 2008), and hazardous waste criteria, as applicable.

Soil vapor analytical results are presented in Table 5 and discussed in Section 7.7. Soil vapor results were compared to modified EPA RSLs for commercial/industrial indoor air (EPA, 2019) and DTSC-SLs for commercial/industrial setting (DTSC, 2019a). When used in concert with an appropriate attenuation factor as described in DTSC's 2011 Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (DTSC, 2011), the air RSLs/DTSC-SLs can be used for screening soil vapor data (DTSC, 2015). An attenuation factor of 0.03 was conservatively applied to the RSLs/DTSC-SLs to modify the air screening levels for soil vapor (EPA, 2015).

7.1 Title 22 Metals in Soil Samples

Thirty-six soil samples were analyzed for Title 22 metals by EPA Methods 6010B/7471A. The results are provided in Table 1 and summarized below.

- With the exception of beryllium, selenium, and silver, detectable concentrations of metals were present in the 36 samples analyzed.
- Arsenic concentrations in 26 of the samples exceeded the EPA RSL. Arsenic concentrations in six samples from Area C (B11-0.5', B13-0.5', B13-1', B14-0.5', B14-1', and B15-0.5') ranged from 14.8 to 94.0 mg/kg and exceeded the corresponding EPA RSL and the upper-bound ambient level of 12 mg/kg noted in the DTSC Determination of a Southern California

Regional Background Arsenic Concentration in soil (DTSC, 2008). Three samples (B13-0.5', B13-1', and B14-0.5') were additionally analyzed for arsenic by soluble threshold limit concentration (STLC) and were below the hazardous waste criteria.

- The lead concentration in the B10-0.5' sample from Area C (430 mg/kg), exceeded the DTSC-SL of 320 mg/kg. The health-based criterion of 320 mg/kg of lead in soil is for protection of the health of a commercial/industrial worker. Health-risk based criteria are applied to identify exceedances in soil that should be removed or mitigated to protect human health. Nine samples were additionally analyzed for lead by STLC and four samples for lead by toxicity characteristic leaching procedure (TCLP). Samples were generally below the hazardous waste criteria. However, sample B3-5' contained soluble lead concentration of 15.4 milligrams per liter (mg/l), which exceeds its California hazardous waste concentration. Sample B3-5' was then additionally analyzed for TCLP, the results of which were 0.241 mg/l, which is less than federal waste criteria. The deeper soil sample B3-10' contained a lead concentration of 14.1 mg/kg.

- The remaining metal concentrations were below their respective EPA RSL and DTSC-SL values. With the exception of lead in sample B3-5', metal concentrations did not exceed California hazardous waste criteria, and none of the samples exceeded federal hazardous waste criteria.

- Elevated concentrations of lead and arsenic in soil are shown in Figure 4.

7.2 TPHs in Soil Samples

Forty-nine soil samples were analyzed for TPHs by EPA Method 8015B/M and the results are provided in Table 2. TPHg exceeded the EPA screening levels at depths of 10 and 25 feet bgs in boring B-18. The noted TPH exceedances are relatively deep for construction worker activities associated with grading and installation of a paved parking lot to encounter. However, benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations in those same soil samples were not detected at concentrations exceeding their respective EPA RSLs or the applied reporting limit of 500 micrograms per kilogram (µg/kg). A SMP for the planned parking lot construction activities should include potential for construction worker exposure to TPH.

TPH results are summarized below.

- TPHg in the gasoline range (C6-C12) were found in three samples from Area D (B18-10', B18-15', and B18-25') at concentrations ranging from 3.7 (B18-15') to 6,900 mg/kg (B18-10'). The B18 samples collected at 10 and 15 feet bgs, exceeded the EPA RSL of 420 mg/kg.

- TPHs in the diesel range (C13-C22) were found in seven samples from Areas A and D (B2-15', B2-25', B3-10', B16-0.5', B17-0.5', B18-5', and B18-25') at concentrations ranging from 13 (B3-10') to 600 mg/kg (B2-25'). The B2-25' sample (located in the northern LUC area) was equal to the EPA RSL of 600 mg/kg.

- TPHs in the heavy hydrocarbon range (C23-C40) were reported in 25 samples from Areas A through D, at concentrations ranging from 10 (B18-5') to 3,100 (B4A-15') mg/kg, which are less than the EPA RSL of 33,000 mg/kg. TPHs in the heavy hydrocarbon range were detected relatively higher in the LUC areas, than other portions of the site.

- TPH concentrations did not exceed hazardous waste criteria.
- Elevated concentrations of TPHs are shown on Figure 5.

7.3 VOCs in Soil Samples

Forty-nine soil samples were analyzed for VOCs by EPA Method 8260B and the results are provided in Table 3. Fourteen samples contained one or more VOC, and each of these were below their respective RSL and DTSC-SL values, and hazardous waste criteria. Elevated VOCs were not detected in the LUC areas or beneath Area C.

7.4 Semi-Volatile Organic Compounds (SVOCs) in Soil Samples

Forty soil samples were analyzed for SVOCs or PAHs by EPA Methods 8270C/CM and the results are provided in Table 4. Thirteen samples contained one or more SVOCs, and each of these were below their respective RSL and DTSC-SL values, and hazardous waste criteria. PAHs were detected at relatively higher concentrations in the LUC areas than in other portions of the site. However, in some instances the detection limits were raised due to dilution factor by the laboratory analyses (e.g., Area D). Area D elevated detection limits are likely the result of interference from other petroleum hydrocarbons. Elevated concentrations of SVOCs (converted to benzo[a]pyrene equivalents) are shown on Figure 5.

7.5 PCBs in Soil Samples

Twenty soil samples were analyzed for PCBs by EPA Method 8082 and the results are provided in Table 4. Four samples contained PCBs (Aroclor-1254 and Aroclor-1260) at a maximum concentration of 28 µg/kg (Aroclor-1260) and 140 µg/kg (Aroclor-1254), both from B15-0.5', located in Area C. These samples did not exceed the EPA RSL, DTSC-SL, or hazardous waste criteria for PCBs. PCBs were generally not detected in the LUC areas, and were detected in some of the surface samples from Area C.

7.6 OCPs in Soil Samples

Eight soil samples were analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A and the results are provided in Table 4. The samples were each below the laboratory reporting limit and less than EPA RSLs, DTSC-SLs, and hazardous waste criteria for OCPs.

7.7 VOCs in Soil Vapor Samples

Thirty-two soil vapor samples were analyzed for VOCs by EPA Method 8260SV. One or more VOC was present in 23 of the samples. Elevated VOCs detected at 5 feet bgs are shown on

Figure 6. Elevated VOCs detected at 15 feet bgs are shown on Figure 7. VOC results are summarized below:

- Benzene was detected in five samples (B2-5, B2-15, B13-5, B14-5, and B15-5) at concentrations ranging from 20 (B13-5) to 40 (B2-15) micrograms per cubic meter (µg/m^3). The modified DTSC-SL of 14 µg/m^3 was exceeded in the five samples. However, the laboratory reporting limits for benzene in each of the samples exceeded the DTSC-SL.

- Chloroform was detected in three samples (B9-5, B9-15, and B11-15) at concentrations ranging from 20 (B9-5) to 80 (B1-15) µg/m^3. The modified EPA RSL of 18 µg/m^3 was exceeded in the three samples. However, the laboratory reporting limits for chloroform in each of the samples exceeded the modified EPA RSL.

- Naphthalene was detected in one sample (B2-5) at a concentration of 30 µg/m^3, which exceeded the modified EPA RSL of 12 µg/m^3. However, the laboratory reporting limits for naphthalene in each of the samples exceeded the modified EPA RSL.

- PCE was detected in 22 samples at concentrations ranging from 20 (B2-15 and B6-5) to 4,000 (B4-5) µg/m^3. The modified DTSC-SL for PCE (67 µg/m^3) was exceeded in 9 samples collected from B1 to B5 (LUC areas) and 7 samples from B9 to B11 (Area C). The modified RSL for PCE (1,567 µg/m^3) was exceeded in two samples (B4-5 and B4-15). However, the laboratory reporting limits for PCE in some the samples exceeded the DTSC-SL as shown in Table 5.

- TCE was detected in 7 samples at concentrations ranging from 20 (B9-15) to 720 (B4-5) µg/m^3. Two samples, B4-5 and B11-15, were equal to or greater than the modified RSL for TCE (100 µg/m^3). However, the laboratory reporting limits for TCE in some the samples exceeded the DTSC-SL as shown in Table 5.

- VOCs 1,2,4-trimethylbenzne, 1,3,5-trimethylbenzene, dichlorodifluoromethane, and 1,1,2-trixhlorotrifluoroethane were detected in one sample each at concentrations below their respective modified EPA RSL.

Elevated detection limits for samples from boring B18 were likely caused by interference from petroleum hydrocarbons. VOCs listed in above may, therefore, be present in boring B18 samples at concentrations exceeding their respective EPA RSL and/or DTSC-SL.

- The LCC, 1,1-difluoroethane, was detected in one sample (B2-5) at a concentration of 580 µg/m^3. The modified RSL of 6,000,000 µg/m^3 was not exceeded.

- The remaining VOCs were not detected above their respective laboratory reporting limit.

- An ambient air sample was collected daily and did not contain VOCs above their respective laboratory reporting limit.

Non-detects are reported as the sample quantitation limit (SQL), defined as three times the standard deviation of seven replicate spiked samples handled as environmental samples, corrected for sample dilution and other sample-specific adjustments (EPA, 1991). The elevated SQLs were compared to laboratory method detection limits (MDLs). The MDL is defined as the

minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results (EPA, 2016),

The SQL and MDL exceedances were addressed in a HHRA that was performed to evaluate whether man-made chemicals detected in soil and soil vapor at the site represented a threat to future onsite and offsite receptors. The elevated SQLs were addressed in the "Uncertainty Analysis" section of the HHRA. The HHRA's summary, conclusions and recommendations are provided in Section 11 of this report.

7.8 Quality Assurance/Quality Control (QA/QC)

QA/QC procedures were performed in general accordance with the approved work plan. Field QA/QC procedures included decontamination of field sampling equipment as described in Appendix D and collection of equipment blanks. Soil samples were delivered to the analytical laboratory within 24 hours of collection, and analyses were performed within respective method holding times. Soil vapor samples were analyzed using a mobile laboratory and were collected in Tedlar bags or syringes. Soil vapor samples were analyzed within their respective method holding times.

7.8.1 Soil Duplicates

Duplicate soil samples are collected simultaneously with a standard sample from the same source under identical conditions into separate containers. The duplicate samples were analyzed for the same suite of analyses as the primary sample. Soil samples that were analyzed for the COPCs (except TPHg and VOCs) were cut in two adjacent 6-inch sections for the duplicate and primary samples. One duplicate sample was collected from each sample matrix for every 10 samples (10 percent). Four duplicate soil samples were collected and submitted blind to the laboratory. The duplicate results (and their respective primary results) are discussed below.

- DUP-1 (B1-0.5') – The same metals were present in both samples at similar concentrations. TPHs in the gasoline and diesel ranges were both not detected above the laboratory reporting limits. TPHs in the heavy hydrocarbon range were detected at a concentration of 260 mg/kg in the original sample and 900 mg/kg in the duplicate sample. Benzene was the only VOC detected in the original sample at a concentration of 5.1 µg/kg. In the duplicate sample, benzene was not detected above the laboratory reporting limit of 4.5 µg/kg. PCBs were not detected in the original sample nor the duplicate. SVOCs present in the original sample include benzo(a)pyrene (390 µg/kg), benzo(g,h,i)perylene (870 µg/kg), benzo(k)fluoranthene (380 µg/kg), indeno(1,2,3-cd)pyrene (760 µg/kg), and pyrene (730 µg/kg). The duplicate same did not contain SVOCs above the laboratory reporting limit of 400 µg/kg.

- DUP-2 (B4-0.5') – The original sample contained PCB Aroclor-1260 at a concentration of 20 µg/kg. The duplicate sample did not contain PCBs above their respective reporting limits. The DUP-2 reporting limit for Aroclor-1260 was 33 µg/kg.

- DUP-3 (B14-1') – The same metals were present in both samples at similar concentrations. TPHs in the gasoline, diesel, and heavy hydrocarbon ranges were both not detected above the laboratory reporting limits. VOCs were not detected above the laboratory reporting limits in both samples. PCBs were not detected in the primary sample nor the duplicate sample. SVOCs were not detected in both the primary and duplicate samples above the laboratory reporting limits. The original sample (B5-10') was not analyzed by the laboratory, therefore the DUP-3 results could not be used for QA/QC purposes.

- DUP-4 (B11-20') – TPHs and SVOCs were not detected above the laboratory reporting limits in the primary and duplicate samples. Methylene chloride was the only VOC detected in both samples at concentrations of 6.0 µg/kg (B11-20') and 4.2 µg/kg (DUP-4).

Variations between the original and duplicates samples were likely due to heterogeneity associated with sample depth, specifically with SVOCs in DUP-1 and B1-0.5 samples. The samples were not homogenized, therefore, the duplicate sample was collected approximately 6 inches deeper that the original sample. The differences between the original and duplicate samples are likely due to sample heterogeneity and are not anticipated to affect data quality or the results of the sampling. The duplicate sample results are considered acceptable.

7.8.2 Equipment Blanks

Daily equipment blanks (EB-1, EB-02, and EB-03) were collected from non-dedicated sampling equipment used on site to evaluate field sampling and decontamination procedures by pouring distilled water over the decontaminated sampling equipment and collecting the water in appropriate laboratory-supplied containers. The equipment rinsate blanks were preserved, packaged, and sealed in the manner described for the environmental samples. The equipment blanks were analyzed for COPCs. With the exception of methylene chloride (8.2 µg/l) present in the EB-03 sample collected on July 19, 2019, COPCs were not detected above the laboratory reporting limits. The presence of methylene chloride in the equipment blank may be associated with a laboratory contaminant, as it was also present at a similar concentration in the trip blank collected on the same day (see Section 7.8.3). The equipment blanks and equipment decontamination procedures are considered acceptable.

7.8.3 Trip Blanks

Laboratory-supplied trip blanks (TB-1, TB-02, and TB-03) were used to evaluate effects due to the sample container, transportation, and/or sample environment to and from the laboratory. A trip blank was used daily and submitted to the stationary laboratory for analysis of VOCs. VOCs were not detected in the TB-1 or TB-02 samples; however, methylene chloride was present in the TB-03 sample used on July 19, 2019. The methylene chloride concentration was 11 µg/l, which is similar to the concentration found in the equipment blank sample collected on the same day. Methylene chloride is commonly used as a laboratory

solvent and is a possible laboratory contaminant that is not related to site conditions. The trip blanks are considered acceptable, as methylene chloride concentrations in the other samples were below the RSL and DTSC-SL values.

7.8.4 Soil Vapor Replicates

Replicate soil vapor samples were collected from B4-5, B11-15, and B18-5. Because the replicate samples were collected by the H&P's mobile laboratory chemist, the samples were not submitted blind to the laboratory. The replicate sample generally had the sample analytes at similar concentrations. Differences were relatively minor and were likely associated with the additional purge volume necessary to collect the replicate sample. The replicate data is considered acceptable.

7.8.5 Soil Vapor Ambient Air Sampling

Ambient air blanks were collected both days of soil vapor sampling. VOCs were not detected above laboratory reporting limits in the ambient air samples. The ambient air data is considered acceptable.

8 FIELD VARIANCES

The following field variances were noted:

- Hand auger refusal was encountered at boring B4 at a depth of approximately 4 feet bgs. An alternate drilling location (B4A) was selected approximately 20 feet southeast of the original location. The vapor probes were installed in boring B4A. However, the laboratory reported the results as boring B4, which should have been labeled as boring B4A.
- In boring B12, drilling refusal was encountered at 20 feet bgs.
- The LCC 1,1-difluoroethane was detected in soil vapor sample B2-5' at a concentration of 580 µg/m^3, which indicates that there was breakthrough from the surface bentonite seal. The DTSC Advisory Active Soil Gas Investigations, July 2015 indicates the laboratory reports should quantify and annotate each of the detections of the LCC at the reporting limit of the target analytes. If the concentration of the LCC is greater than or equal to 10 times the reporting limit for the target analyte(s), then corrective action is necessary. The reporting limit was 100 µg/m^3, therefore, the detected 580 µg/m^3 of LCC is less than 10 times the reporting limit and should be considered valid.).

9 FINDINGS

Based on the laboratory analytical results of this Limited Phase II ESA, the following findings are provided:

- With the exception of beryllium, selenium, and silver, detectable concentrations of metals were present in the 36 samples analyzed. Arsenic concentrations in 26 of the samples exceeded the EPA RSL. Arsenic concentrations in six samples from Area C exceeded the

DTSC Determination of a Southern California Regional Background Arsenic Concentration in soil of 12 mg/kg (DTSC, 2008). The lead concentration in the B10-0.5' sample from Area C (430 mg/kg), exceeded the DTSC-SL of 320 mg/kg. The remaining metal concentrations were below their respective EPA RSL and DTSC-SL values.

- Arsenic concentrations in three samples exceeded 50 mg/kg, and were analyzed by Waste Equivalent Test (WET) to see if soluble arsenic exceeded hazardous waste criteria (5 mg/l). The results ranged from 2.6 to 4.39 mg/l; therefore, soils represented by these samples would not be considered hazardous waste.

- Lead concentrations in nine samples exceeded 50 mg/kg, and were analyzed by WET to see if soluble lead exceeded hazardous waste criteria (5 mg/l). The results ranged from 0.0436 to 15.4 mg/l. Eight of the samples were below the STLC and would not be considered California hazardous waste. Soil represented by sample B3-5' at a concentration of 15.4 mg/l is considered California hazardous waste if excavated. Sample B3-5' was analyzed by TCLP to see if it exceeded federal hazardous waste criteria (5 mg/l). The TCLP result is 0.241 mg/l; therefore, soil represented by this sample would not be considered federal hazardous waste.

- TPHs in the gasoline range (C6-C12) were found in three samples from Area D at concentrations ranging from 3.7 (B18-15') to 6,900 mg/kg (B18-10'). The B18 samples collected at 10 and 15 feet bgs, exceeded the EPA RSL of 420 mg/kg. TPHs in the diesel range (C13-C22) were found in seven samples from Areas A and D at concentrations ranging from 13 (B3-10') to 600 mg/kg (B2-25'). The B2-25' sample was equal to the EPA RSL of 600 mg/kg. TPHs in the heavy hydrocarbon range (C23-C40) were reported in 25 samples from Areas A through D, at concentrations ranging from 10 (B18-5') to 3,100 (B4A-15') mg/kg, which are less than the EPA RSL of 33,000 mg/kg.

- VOCs, SVOCs (converted to benzo[a]pyrene equivalents), and PCBs were present in some soil samples; however, at concentrations below screening levels.

- OCPs were not detected in soil at concentrations above their respective EPA RSLs or DTSC-SLs.

- With the exception of lead in soil sample B3-5', COPCs did not exceed their respective hazardous waste criteria values.

- Thirty-two soil vapor samples were analyzed for VOCs by EPA Method 8260SV. One or more VOC was present in 23 of the samples. VOC results are summarized below:

    - Benzene was detected in five samples (B2-5, B2-15, B13-5, B14-5, and B15-5) at concentrations ranging from 20 (B13-5) to 40 (B2-15) µg/m^3. The modified DTSC-SL of 14 µg/m^3 was exceeded in the five samples. However, the laboratory reporting limits for benzene in each of the samples exceeded the DTSC-SL.

    - Chloroform was detected in three samples (B9-5, B9-15, and B11-15) at concentrations ranging from 20 (B9-5) to 80 (B1-15) µg/m^3. The modified EPA RSL of 18 was exceeded in the three samples. However, the laboratory reporting limits for chloroform in each of the samples exceeded the modified EPA RSL.

    - Naphthalene was detected in one sample (B2-5) at a concentration of 30 µg/m^3, which exceeded the modified EPA RSL of 12 µg/m^3. However, the laboratory reporting limits for naphthalene in each of the samples exceeded the modified EPA RSL.

    - PCE was detected in 22 samples at concentrations ranging from 20 (B2-15 and B6-5) to 4,000 (B4-5) µg/m^3. The modified DTSC-SL for PCE (67 µg/m^3) was exceeded in 9

samples collected from B1 to B5 (LUC areas) and 7 samples from B9 to B11 (Area C). The modified RSL for PCE (1,567 µg/m^3) was exceeded in two samples (B4-5 and B4-15). However, the laboratory reporting limits for PCE in some the samples exceeded the DTSC-SL as shown in Table 5.

- TCE was detected in 7 samples at concentrations ranging from 20 (B9-15) to 720 (B4-5) µg/m^3. Two samples, B4-5 and B11-15, were equal to or greater than the modified RSL for TCE (100 µg/m^3). However, the laboratory reporting limits for TCE in some the samples exceeded the DTSC-SL as shown in Table 5.
- VOCs 1,2,4-trimethylbenzne, 1,3,5-trimethylbenzene, dichlorodifluoromethane, and 1,1,2-trixhlorotrifluoroethane were detected in one sample each at concentrations below their respective modified RSL.
- Tetrachloroethene was detected in 24 samples at concentrations ranging from 20 (B2-5) to 4,000 (B4-5 and BB4-5 REP) µg/m^3. However, the laboratory reporting limits for TCE in some the samples exceeded the DTSC-SL as shown in Table 5
- The remaining VOCs were not detected above their respective laboratory reporting limit.
- Soil vapor results for tetrachloroethene indicate an increasing trend in concentrations from the 5' probe depth to the 15' probe depth in borings B1, B2, B3, B9, B10 and B11.

Ninyo & Moore has evaluated potential risks posed by tetrachloroethene detected in soil vapor. The evaluation was included in the HHRA prepared by Ninyo & Moore for the site. The evaluation was conducted following current DTSC and EPA risk assessment guidance and using maximum detected soil vapor concentrations for each of the VOCs detected in soil vapor. Results of the evaluation are presented and discussed in the HHRA report. The HHRA indicated cancer risks and health hazards estimated to result from exposure to VOCs in ambient air are within levels considered acceptable to California health and environmental protection agencies. Based on the results of the HHRA, no further evaluation or vertical delineation was deemed necessary.

10 CONCLUSIONS AND RECOMMENDATIONS

From July 17 to 19, 2019, Ninyo & Moore conducted a Limited Phase II ESA on behalf of RCTC of the properties encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station in Riverside, California. The site is proposed to be purchased by RCTC and developed as part of the Riverside Downtown Metrolink Station project into a paved parking lot.

Based on the Site Conceptual Model, four primary sources of environmental risk were identified for the site: the former MGP, historical use of solvents, petroleum releases, and historical railroad operations. Because the site is planned for development into a paved parking lot and passenger loading station, the route of exposure for contact with impacted soil, soil vapor, groundwater, and surface water runoff is considered incomplete for future passengers. Additionally, there are no full-time, planned site occupants.

Soils were sampled up to 25 feet bgs to aid in the understanding of the potential for risk both to future workers as well as potential liabilities associated with property purchase. The complete exposure pathway would be for the construction crew during future earthmoving activities at the site, which would disturb the soil to a maximum depth of 20 feet bgs.

10.1 Exceedances

Exceedances of applied screening levels were identified in soil and soil vapor during this Limited Phase II ESA. Specific exceedances, boring location and depths are presented in Tables 1A, 2A, and 5A and discussed in Sections 10.1.1 and 10.1.2 below.

10.1.1 Soil Exceedances

As shown on Table T1A, arsenic levels were exceeded in 26 soil samples taken at depths between 0.5 ft bgs to 5 feet bgs. The lead concentration in the B10-0.5' sample from Area C (430 mg/kg), exceeded the DTSC-SL of 320 mg/kg. The health-based criterion of 320 mg/kg of lead in soil is for protection of the health of a commercial/industrial worker. Health-risk based criteria are applied to identify exceedances that should be removed or mitigated to protect human health. There was one STLC lead exceedance at 0.5 feet bgs at boring B-3. Soil near sample B3-5' may be considered California hazardous waste if excavated. These metal exceedances can be addressed in an SMP during shallow excavation activities to segregate and dispose of arsenic- and lead-impacted soil. The SMP would also address construction worker safety for activities associated with grading and paving of a parking lot.

As shown on Table 2A, TPH as gasoline had two exceedances at 10 feet bgs and 25 feet bgs in the area of boring B18. TPH as diesel had one exceedance at 25 feet bgs in boring B2. However, BTEX concentrations in those same soil samples were not detected at concentrations exceeding their respective EPA RSLs or the applied reporting limit of 500 µ/kg. The noted TPH exceedances are relatively deep for construction worker activities associated with grading and installation of a paved parking lot to encounter. A SMP for the planned parking lot construction activities should include potential for construction worker exposure to TPH. The SMP should include provisions and protocol for prevention of construction worker exposure to TPH.

10.1.2 Soil Vapor Exceedances

Soil vapor exceedances are provided in Table T5A. In each of the analyzed samples from 5 feet and 15 feet bgs, the laboratory reporting limits for benzene exceeded its respective DTSC-SL while reporting limits for chloroform and naphthalene exceeded their respective modified DTSC-SLs. There were 17 DTSC-SL exceedances of PCE and 3 DTSC-SL exceedances of TCE at depths ranging from 5 feet bgs to 15 feet bgs. These soil vapor

exceedances are relatively deep for construction worker activities associated with grading and installation of a paved parking lot to encounter.

Ninyo & Moore has evaluated potential risks posed by chemicals with questionable detection limits. Specifically, chemicals reported as non-detected or chemicals whose reported detection limit were higher than the maximum detected concentration were evaluated in the HHRA prepared by Ninyo & Moore for the site. The objective of the evaluation was to assess whether each individual chemical reported with elevated detection limits could pose a health risk assuming each chemical was found in soil or soil vapor, at a concentration equal to the reported detection limit. Results of the evaluation are presented and discussed in the HHRA report. The HHRA indicated that cancer risks and health hazards estimated to result from exposure to naphthalene, benzo[a]pyrene, benzene, tetrachloroethene, trichloroethene, and vinyl chloride, assuming those chemicals were indeed present in soil or soil vapor at the site at the reported detection limits, were all within acceptable levels for construction/maintenance workers.

Ninyo & Moore has also evaluated potential risks posed by tetrachloroethene and each of the VOCs detected in soil vapor. The evaluation was included in the HHRA prepared by Ninyo & Moore for the site. The evaluation was conducted following current DTSC and EPA risk assessment guidance and using maximum detected soil vapor concentrations for all VOCs detected in soil vapor. Results of the evaluation are presented and discussed in the HHRA report. The HHRA indicated cancer risks and health hazards estimated to result from exposure to VOCs in ambient air are within levels considered acceptable to California health and environmental protection agencies. Based on the results of the HHRA, no further evaluation or vertical delineation was deemed necessary.

The SMP should address construction worker exposure regarding potential soil vapors during grading and paving activities.

10.2 Recommendations from the Limited Phase II ESA

Based on the above findings, the following recommendations are provided:

- Prior to subsurface disturbance activities, a SMP should be prepared to address the possibility of encountering localized areas containing COPCs, including metals, petroleum hydrocarbons and VOCs. The plan should be prepared by a qualified environmental consultant and should be implemented during soil disturbance activities under the oversight of an environmental professional. The plan should address monitoring of excavated soil, community and construction worker health and safety, and soil handling, stockpiling, characterization, on-site reuse, export, and disposal protocols.
- For areas with the potential for encountering soil contamination (e.g., near areas of known or suspected contamination), appropriate construction worker and community health and safety

measures (e.g., dust control, air monitoring, stockpile management) should be implemented by the contractor, under the oversight of a qualified environmental professional.

- Prior to disturbance of utilities (e.g., cementitious pipelines), electrical/lighting equipment, and hazardous building materials such as asbestos-containing materials (ACM), lead-based paint, treated wood, and other materials falling under Universal Waste Rule (UWR) requirements, a hazardous waste management plan should be prepared. The plan should address testing protocols, handling, and disposal requirements, and should be implemented by California Department of Public Health Certified Lead Inspector/Assessors, California Division of Occupational Safety and Health Certified Asbestos Consultants, and/or professionals appropriately qualified in their field in accordance with applicable local, state, and federal guidelines and regulations.

- Buildings planned for demolition require an ACM survey to be performed in accordance with the local South Coast Air Quality Management District Rule 1403 requirements. Lead containing surfaces which may be present in buildings require handling and disposal needs in accordance with Title 17, California Code of Regulations (CCR), and the Title 8 CCR Division of Occupational Safety and Health Lead in Construction Standard Section 1532.1. Other hazardous materials which may be present within structures also require proper clean up, handling, and disposal in accordance with UWRs, if planned for removal.

11 HUMAN HEALTH RISK ASSESSMENT

11.1 Human Health Risk Assessment Findings

Plans exist to develop the site into a paved train platform for the Riverside Metrolink Station. The majority of the site will be an open air parking lot. As planned, there will be an elevator tower to connect to an overhead pedestrian crossing. There will be no habitable buildings or buildings of any kind at the site. Improvements such as canopies, wind guards, light stanchions may be added in the future.

The objective of the HHRA was to evaluate whether man-made chemicals detected in soil and soil vapor at the site represent a threat to future onsite and offsite receptors. After reviewing the available soil and soil vapor data, it was determined that the current composition as well as the vertical and lateral extent of environmental media impacts have been evaluated for the site.

The potential receptors that may come in contact with impacted soils are construction/ maintenance workers whom may be engaged in earth-moving or trenching activities. Three 8 hour shifts of security guards will be present on the site operating each day. The following exposure pathways were considered complete for construction/ maintenance workers: incidental soil ingestion, dermal contact, particulate dust inhalation and outdoor vapor inhalation. The offsite receptors evaluated in this HHRA were the neighboring residential receptors. These receptors were assumed to be exposed to vapors flowing from the site and impacting ambient air. Offsite receptors were assumed to be exposed only through the inhalation pathway. Each of the

chemicals detected at the site at concentrations deemed to be the result of human activity were included in this HHRA.

11.2 Conclusions and Recommendations from the HHRA

The estimated incremental cancer risk is the increased likelihood of 3 in a million that an individual would develop cancer when exposed to site-specific contaminants in addition to being exposed to contaminants naturally present in the environment. The estimated incremental cancer risk is considered low when one considers the background risk of Americans developing cancer. The background risk is one chance in three (0.3 or 3E-01) for every American female and one chance in two (0.5 or 5E-01) for every American male. Cancer risks estimated in this HHRA are also within levels considered acceptable for occupational exposure scenarios by the California Environmental Protection Agency.

Results of the HHRA indicate that arsenic in soil may be found at concentrations that may pose a potential health hazard to construction workers. Based on these results, it is recommended that a SMP be prepared which provides precautions to be taken to minimize dust and vapor generation and exposure during earth moving and construction activities. Construction workers must be made aware of the health risks posed by excessive dust and vapor inhalation while conducting earth-moving activities and the appropriate personal protective equipment they must wear to minimize exposures. Construction workers shall not participate in field activities until they have been trained to the level required by their job function and responsibility. The specific types of training required include orientation training for new employees, basic training for first-time workers, supervisor training, advanced training, site-specific training, first aid, and refresher training for construction workers, RCTC and Bechtel staff.

During grading operations, Construction workers should have completed at a minimum 40-hour Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) training and be current with respect to annual refresher training prior to working at the site. This will include personnel who will be involved with activities where contaminated soils are likely to be encountered. Training content shall be as specified in 29 Code of Federal Register (CFR) 1910.120 (e) and 8 California Code of Regulations (CCR) 5192 (e). Equipment operators for scrapers, backhoes, excavators with an enclosed cabin are exempt from this requirement. At a minimum, construction work must be conducted under a Health and Safety Plan in accordance with applicable sections of 29 CFR 1910.120 and CCR Title 8, CCR Section 5192.

The risk and hazard calculations assumed multiple exposures to chemicals via incidental soil ingestion, dermal contact and inhalation of outdoor and indoor vapors. The results are based on

multiple health-protective assumptions. For example, it was assumed that a VOC reservoir is located under the site and that this VOC reservoir is large and strong enough to continuously release VOC vapors for up to 26 years. However, no VOC reservoir is known to exist under the site.

The conclusions and recommendations presented in the HHRA report are based on reported chemical concentrations and the proposed future land use of the site. In this risk assessment, fate-and-transport models, parameters, toxicity data and assumptions were applied in accordance with federal and state regulatory guidelines. These guidelines are meant to protect the public and tend to overestimate potential health risks. As such, this risk assessment provides an estimate of the upper boundary of potential health risks, rather than an accurate representation of true health risks posed by the site.

12 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

13 REFERENCES

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Table 1 – Soil Sample Analytical Results – Metals

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 6010B/7471A (mg/kg)																			
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Arsenic - STLC (mg/l)	Lead - STLC (mg/l)	Lead - TCLP (mg/l)
B1-0.5'	7/18/2019	0.5	ND<3	ND<1	99.3	ND<0.5	ND<0.5	17.2	8.19	13.5	12.8	ND<1	10.3	ND<3	ND<0.5	ND<3	34.0	43.3	ND<0.14	--	--	--
DUP-1 [B1-0.5']	7/18/2019	NA	ND<3	ND<1	82.7	ND<0.5	ND<0.5	15.9	5.67	11.1	11.4	ND<1	10.6	ND<3	ND<0.5	ND<3	30.4	44.5	ND<0.14	--	--	--
B1-5'	7/18/2019	5	ND<3	ND<1	196	ND<0.5	1.12	18.0	12.3	12.2	6.22	ND<1	11.2	ND<3	ND<0.5	ND<3	48.6	58.0	ND<0.14	--	--	--
B2-0.5'	7/18/2019	0.5	3.44	5.85	72.4	ND<0.5	2.70	8.27	7.62	13.7	155	ND<1	52.2	ND<3	ND<0.5	ND<3	48.2	1,260	0.25	--	3.24	0.054
B2-5'	7/18/2019	5	ND<3	3.68	117	ND<0.5	0.56	15.4	8.14	9.60	5.11	ND<1	9.56	ND<3	ND<0.5	ND<3	37.6	44.6	ND<0.14	--	--	--
B3-0.5'	7/18/2019	0.5	ND<3	4.86	99.4	ND<0.5	0.68	17.6	6.90	48.0	23.3	ND<1	12.5	ND<3	ND<0.5	ND<3	32.7	59.7	ND<0.14	--	0.436	ND<0.05
B3-5'	7/18/2019	5	ND<3	7.87	64.4	ND<0.5	0.50	19.8	6.68	26.6	148	ND<1	7.67	ND<3	ND<0.5	ND<3	30.6	106	1.23	--	15.4	0.241
B3-10'	7/18/2019	10	--	--	--	--	--	--	--	--	14.1	--	--	--	--	--	--	--	--	--	--	--
B4A-0.5'	7/18/2019	0.5	ND<3	4.56	89.8	ND<0.5	0.86	21.2	9.51	127	43.1	1.97	17.5	ND<3	ND<0.5	ND<3	33.9	138	ND<0.14	--	--	--
B4A-5'	7/18/2019	5	ND<3	ND<1	160	ND<0.5	0.74	19.0	13.4	27.3	7.59	ND<1	11.5	ND<3	ND<0.5	ND<3	52.8	68.0	ND<0.14	--	--	--
B5-0.5'	7/18/2019	0.5	ND<3	4.19	72.2	ND<0.5	ND<0.5	16.8	7.79	10.6	5.65	ND<1	9.68	ND<3	ND<0.5	ND<3	33.1	33.7	ND<0.14	--	--	--
B5-5'	7/18/2019	5	ND<3	3.64	80.8	ND<0.5	0.92	20.6	10.3	15.0	11.9	1.25	12.8	ND<3	ND<0.5	3.15	34.2	42.6	ND<0.14	--	--	--
B6-0.5'	7/17/2019	0.5	ND<3	1.98	61.5	ND<0.5	ND<0.5	11.1	5.89	11.1	6.50	ND<1	7.58	ND<3	ND<0.5	ND<3	24.5	44.5	ND<0.14	--	--	--
B6-5'	7/17/2019	5	ND<3	1.28	87.9	ND<0.5	ND<0.5	10.6	7.13	7.38	2.82	ND<1	6.30	ND<3	ND<0.5	ND<3	27.5	35.6	ND<0.14	--	--	--
B7-0.5'	7/17/2019	0.5	ND<3	2.86	52.4	ND<0.5	ND<0.5	12.8	6.01	13.3	10.1	ND<1	8.76	ND<3	ND<0.5	ND<3	30.0	43.2	ND<0.14	--	--	--
B7-5'	7/17/2019	5	ND<3	6.64	108	ND<0.5	0.70	24.8	8.88	20.6	66.7	2.20	12.3	ND<3	ND<0.5	ND<3	33.8	89.8	ND<0.14	--	2.06	--
B8-0.5'	7/17/2019	0.5	ND<3	3.66	196	ND<0.5	0.62	23.8	15.1	17.6	8.40	ND<1	16.8	ND<3	ND<0.5	ND<3	56.2	80.6	ND<0.14	--	--	--
B8-5'	7/17/2019	5	ND<3	4.52	70.3	ND<0.5	ND<0.5	16.6	9.76	29.0	19.4	2.08	10.3	ND<3	ND<0.5	ND<3	31.7	60.6	ND<0.14	--	--	--
B9-0.5'	7/19/2019	0.5	ND<3	ND<1	115	ND<0.5	0.90	26.2	13.5	15.1	8.30	ND<1	17.2	ND<3	ND<0.5	ND<3	48.8	58.8	ND<0.14	--	--	--
B9-5'	7/19/2019	5	ND<3	3.41	105	ND<0.5	0.56	14.5	9.11	10.0	4.91	ND<1	9.15	ND<3	ND<0.5	ND<3	34.9	44.8	ND<0.14	--	--	--
B10-0.5'	7/19/2019	0.5	9.34	5.09	124	ND<0.5	1.14	22.2	11.2	106	430	ND<1	15.6	ND<3	ND<0.5	ND<3	47.6	98.9	ND<0.14	--	4.16	0.392
B10-5'	7/19/2019	5	ND<3	2.64	84.9	ND<0.5	0.54	13.7	9.24	10.3	6.08	ND<1	8.66	ND<3	ND<0.5	ND<3	32.5	43.0	ND<0.14	--	--	--
B11-0.5'	7/19/2019	0.5	ND<3	14.8	132	ND<0.5	1.24	24.5	14.0	72.6	50.3	ND<1	19.3	ND<3	ND<0.5	ND<3	46.3	131	ND<0.14	--	0.805	--
B11-5'	7/19/2019	5	ND<3	4.01	126	ND<0.5	0.83	21.4	12.8	17.2	7.55	ND<1	13.7	ND<3	ND<0.5	ND<3	52.2	60.7	ND<0.14	--	--	--
B13-0.5'	7/18/2019	0.5	ND<3	94.0	50.0	ND<0.5	ND<0.5	13.8	7.36	16.4	27.0	ND<1	10.2	ND<3	ND<0.5	ND<3	30.9	119	ND<0.14	4.39	--	--
B13-1'	7/18/2019	1	ND<3	69.3	43.0	ND<0.5	0.56	17.0	10.0	16.8	17.2	ND<1	13.8	ND<3	ND<0.5	ND<3	37.6	59.5	ND<0.14	2.60	--	--
B13-2'	7/18/2019	2	--	ND<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B14-0.5'	7/18/2019	0.5	ND<3	64.2	57.0	ND<0.5	0.62	21.5	8.80	17.0	27.9	ND<1	12.5	ND<3	ND<0.5	ND<3	35.3	55.7	ND<0.14	2.56	0.600	--
B14-1'	7/18/2019	1	ND<3	31.3	59.0	ND<0.5	ND<0.5	19.9	8.83	11.9	10.8	ND<1	13.0	ND<3	ND<0.5	ND<3	37.8	42.8	ND<0.14	--	--	--
DUP-3 [B14-1']	7/18/2019	NA	ND<3	17.4	47.3	ND<0.5	ND<0.5	17.5	9.42	10.8	4.74	ND<1	12.8	ND<3	ND<0.5	ND<3	36.9	41.3	ND<0.14	--	--	--
B14-2'	7/18/2019	2	--	ND<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B15-0.5'	7/18/2019	0.5	ND<3	25.4	56.5	ND<0.5	0.53	13.6	6.91	17.5	26.4	ND<1	9.59	ND<3	ND<0.5	ND<3	30.4	68.2	ND<0.14	--	--	--
B15-1'	7/18/2019	1	ND<3	4.45	52.8	ND<0.5	ND<0.5	15.2	8.45	12.6	11.2	ND<1	11.7	ND<3	ND<0.5	ND<3	35.4	44.1	ND<0.14	--	--	--
B16-0.5'	7/17/2019	0.5	6.29	2.88	96.3	ND<0.5	0.92	28.1	6.90	20.0	76.5	ND<1	8.70	ND<3	ND<0.5	ND<3	28.6	185	ND<0.14	--	3.36	--
B16-5'	7/17/2019	5	ND<3	2.90	137	ND<1.0	ND<0.5	19.7	11.4	12.9	3.35	ND<1	13.2	ND<3	ND<0.5	ND<3	43.9	51.6	ND<0.14	--	--	--
B17-0.5'	7/17/2019	0.5	ND<3	3.10	127	ND<0.5	1.12	29.4	11.0	38.0	56.7	ND<1	14.4	ND<3	ND<0.5	ND<3	44.8	470	ND<0.14		1.597	
B17-5'	7/17/2019	5	ND<3	2.98	94.7	ND<0.5	ND<0.5	15.0	9.39	10.3	3.04	ND<1	7.67	ND<3	ND<0.5	ND<3	41.6	43.3	ND<0.14		--	
B17-0.5'	7/17/2019	0.5	ND<3	3.10	127	ND<0.5	1.12	29.4	11.0	38.0	56.7	ND<1	14.4	ND<3	ND<0.5	ND<3	44.8	470	ND<0.14	--	1.597	--
B18-0.5'	7/17/2019	0.5	ND<3	4.63	89.2	ND<0.5	0.53	22.3	6.76	17.0	21.4	1.24	12.5	ND<3	ND<0.5	ND<3	32.6	96.3	ND<0.14		--	
B18-5'	7/17/2019	5	ND<3	3.34	141	ND<0.5	0.60	23.3	10.9	18.2	33.5	ND<1	11.9	ND<3	ND<0.5	ND<3	44.5	96.9	ND<0.14		--	
B18-0.5'	7/17/2019	0.5	ND<3	4.63	89.2	ND<0.5	0.53	22.3	6.76	17.0	21.4	1.24	12.5	ND<3	ND<0.5	ND<3	32.6	96.3	ND<0.14	--	--	--

Table 1 – Soil Sample Analytical Results – Metals

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 6010B/7471A (mg/kg)																			
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Arsenic - STLC (mg/l)	Lead - STLC (mg/l)	Lead - TCLP (mg/l)
B18-5'	7/17/2019	5	ND<3	3.34	141	ND<0.5	0.60	23.3	10.9	18.2	33.5	ND<1	11.9	ND<3	ND<0.5	ND<3	44.5	96.9	ND<0.14	--	--	--
B19-0.5'	7/18/2019	0.5	ND<3	6.78	124	ND<0.5	0.61	16.4	6.83	13.0	16.2	ND<1	9.93	ND<3	ND<0.5	ND<3	31.6	41.9	ND<0.14	--	--	--
B19-1'	7/18/2019	1	ND<3	7.60	78.9	ND<0.5	0.56	21.9	7.34	17.8	20.1	ND<1	13.1	ND<3	ND<0.5	ND<3	30.4	41.8	ND<0.14	--	--	--
Quality Control Samples (mg/l)																						
EB-01	7/17/2019	NA	ND<0.04	ND<0.01	ND<0.01	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.01	ND<0.01	ND<0.02	ND<0.03	ND<0.005	ND<0.05	ND<0.005	ND<0.05	ND<0.0004	--	--	--
EB-02	7/18/2019	NA	ND<0.04	ND<0.01	ND<0.01	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.01	ND<0.01	ND<0.02	ND<0.03	ND<0.005	ND<0.05	ND<0.005	ND<0.05	ND<0.0004	--	--	--
EB-03	7/19/2019	NA	ND<0.04	ND<0.01	ND<0.01	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.01	ND<0.01	ND<0.01	ND<0.02	ND<0.03	ND<0.005	ND<0.05	ND<0.005	ND<0.05	ND<0.0004	--	--	--
Regulatory Screening Levels (mg/kg)																						
EPA RSLs (Industrial Soil)			470	3.0	220,000	2,300	980	1,800,000	350	47,000	800	5,800	22,000	5,800	5,800	12	5,800	350,000	46	NL	NL	NL
DTSC-SL (Commercial/Industrial Soil)			NL	0.36	NL	230	780	NL	NL	NL	320	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
DTSC Acceptable Clean Up Levels			NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hazardous Waste Criteria																						
TCLP (mg/l)			NL	5.0	100	NL	1.0	5	NL	NL	5.0	NL	NL	1.0	5	NL	NL	NL	0.2	NA	NA	5.0
STLC (mg/l)			15	5.0	100	0.75	1.0	5	50	25	5.0	350	20	1.0	5	7.0	24	250	0.2	5.0	5.0	NA
TTLC (mg/kg)			500	500	10,000**	75	100	2,500	8,000	2,500	1,000	3,500	2,000	100	500	700	2,400	5,000	20	NA	NA	NA

Notes:

bold text indicates exceedance of regulatory screening level

' feet

-- not analyzed

bgs - below ground surface

DTSC Acceptable Clean Up Levels - DTSC's Determination of a Southern California Regional Background Arsenic concentrations in soil (March, 2008)

DTSC-SL - Department of Toxic Substances Control-Screening, April, 2019

DUP - duplicate sample, listed immediately below its primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

mg/kg - milligrams per kilogram

mg/l - milligrams per liter

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels, April 2019

STLC - soluble threshold limit concentration

TCLP - toxicity characteristic leaching procedure

TTLC - total threshold limit concentration

Table 1A – Soil Sample Analytical Results – Metals

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 6010B/7471A (mg/kg)	
			Arsenic	Lead
B2-0.5'	7/18/2019	0.5	5.85	155
B2-5'	7/18/2019	5	3.68	5.11
B3-0.5'	7/18/2019	0.5	4.86	23.3
B3-5'	7/18/2019	5	7.87	148
B4A-0.5'	7/18/2019	0.5	4.56	43.1
B5-0.5'	7/18/2019	0.5	4.19	5.65
B5-5'	7/18/2019	5	3.64	11.9
B7-5'	7/17/2019	5	6.64	66.7
B8-0.5'	7/17/2019	0.5	3.66	8.40
B8-5'	7/17/2019	5	4.52	19.4
B9-5'	7/19/2019	5	3.41	4.91
B10-0.5'	7/19/2019	0.5	5.09	430
B11-0.5'	7/19/2019	0.5	14.8	50.3
B11-5'	7/19/2019	5	4.01	7.55
B13-0.5'	7/18/2019	0.5	94.0	27.0
B13-1'	7/18/2019	1	69.3	17.2
B14-0.5'	7/18/2019	0.5	64.2	27.9
B14-1'	7/18/2019	1	31.3	10.8
DUP-3 [B14-1']	7/18/2019	NA	17.4	4.74
B15-0.5'	7/18/2019	0.5	25.4	26.4
B15-1'	7/18/2019	1	4.45	11.2
B17-0.5'	7/17/2019	0.5	3.10	56.7
B18-0.5'	7/17/2019	0.5	4.63	21.4
B18-5'	7/17/2019	5	3.34	33.5
B19-0.5'	7/18/2019	0.5	6.78	16.2
B19-1'	7/18/2019	1	7.60	20.1
Quality Control Samples (mg/l)				
EB-1	7/17/2019	NA	ND<0.01	ND<0.01
EB-02	7/18/2019	NA	ND<0.01	ND<0.01
EB-3	7/19/2019	NA	ND<0.01	ND<0.01
Regulatory Screening Levels (mg/kg)				
EPA RSLs (Industrial Soil)			3.0	800
DTSC-SL (Commercial/Industrial Soil)			0.36	320
DTSC Acceptable Clean Up Levels			12	NA
Hazardous Waste Criteria				
TCLP (mg/l)			5.0	5.0
STLC (mg/l)			5.0	5.0
TTLC (mg/kg)			500	1,000

Notes:
bold text indicates exceedance of regulatory screening leve
' feet
-- not analyzed
bgs - below ground surface
DTSC Acceptable Clean Up Levels - DTSC's Determination of a Southern California Regional Background Arsenic concentrations in soil (March, 2008
DTSC-SL - Department of Toxic Substances Control-Screening, April, 2019
DUP - duplicate sample, listed immediately below its primary sample
EB - equipment blank
EPA - United States Environmental Protection Agency
ID - Identification
J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.
mg/kg - milligrams per kilogram
mg/l - milligrams per liter
NA - not applicable
ND< - not detected above the laboratory reporting limit
NL - not listed
RSLs - United States Environmental Protection Agency Regional Screening Levels, April 2019
STLC - soluble threshold limit concentration
TCLP - toxicity characteristic leaching procedure
TTLC - total threshold limit concentration

Table 2 – Soil Sample Analytical Results – TPHs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 8015B (mg/kg)		
			TPH as Gasoline (C6-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)
B1-0.5'	7/18/2019	0.5	ND<2.43	ND<50	260
DUP-1 [B1-0.5']	7/18/2019	NA	ND<2.94	ND<500	900
B1-10'	7/18/2019	10	ND>3	ND<10	ND<10
B1-20'	7/18/2019	20	ND<2.43	ND<10	ND<10
B2-15'	7/18/2019	15	ND<2.43	140	450
B2-25'	7/18/2019	25	ND<2.67	600	1,300
B3-0.5'	7/18/2019	0.5	ND<2.73	ND<50	380
B3-10'	7/18/2019	10	ND<2.82	13	84
B3-15'	7/18/2019	15	ND<3	ND<10	ND<10
B4A-5'	7/18/2019	5	ND<2.34	ND<10	ND<10
B4A-15'	7/18/2019	15	ND<3	ND<500	3,100
B4A-20'	7/18/2019	20	ND<3	ND<500	1,200
B5-0.5'	7/18/2019	0.5	ND<2.25	ND<10	12
B5-15'	7/18/2019	15	ND<2.46	ND<10	ND<10
B6-5'	7/17/2019	5	ND<2.64	ND<10	ND<10
B6-15'	7/17/2019	15	ND<3.06	ND<10	ND<10
B7-0.5'	7/17/2019	0.5	ND<2.49	ND<10	43
B7-10'	7/17/2019	10	ND<2.34	ND<10	11
B8-0.5'	7/17/2019	0.5	ND<3.03	ND<10	12
B8-20'	7/17/2019	20	ND<3.27	ND<10	ND<10
B9-0.5'	7/19/2019	0.5	ND<2.64	ND<10	11
B9-10'	7/19/2019	10	ND<3	ND<10	ND<10
B9-15'	7/19/2019	15	ND<3	ND<10	ND<10
B9-20'	7/19/2019	20	ND<2.88	ND<10	ND<10
B10-0.5'	7/19/2019	0.5	ND<2.64	ND<10	21
B10-5'	7/19/2019	5	ND<2.73	ND<10	ND<10
B10-15'	7/19/2019	15	ND<3	ND<10	ND<10
B11-0.5'	7/19/2019	0.5	ND<2.82	ND<10	15
B11-10'	7/19/2019	10	ND<3	ND<10	ND<10
B11-20'	7/19/2019	20	ND<3.57	ND<10	ND<10
DUP-4 [B11-20']	7/19/2019	NA	ND<2.67	ND<10	ND<10
B12-0.5'	7/19/2019	0.5	ND<2.49	ND<10	ND<10
B12-20'	7/19/2019	20	ND<2.79	ND<10	13
B13-0.5'	7/18/2019	0.5	ND<2.34	ND<10	ND<10
B13-1'	7/18/2019	1	ND<2.34	ND<10	ND<10
B14-0.5'	7/18/2019	0.5	ND<2.34	ND<10	10
B14-1'	7/18/2019	1	ND<2.28	ND<10	ND<10
DUP-3 [B14-1']	7/18/2019	NA	ND<2.37	ND<10	ND<10
B15-1'	7/18/2019	1	ND<2.13	ND<10	ND<10
B15-2'	7/18/2019	2	ND<2.04	ND<10	ND<10
B16-0.5'	7/17/2019	0.5	ND<2.28	140	310
B16-15'	7/17/2019	15	ND<2.79	ND<10	12
B16-25'	7/17/2019	25	ND<3	ND<10	15

Table 2 – Soil Sample Analytical Results – TPHs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 8015B (mg/kg)		
			TPH as Gasoline (C6-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)
B17-0.5'	7/17/2019	0.5	ND<3.03	20	160
B17-15'	7/17/2019	15	ND<2.79	ND<10	12
B17-25'	7/17/2019	25	ND<3	ND<10	14
B18-5'	7/17/2019	5	ND<75	70	10
B18-10'	7/17/2019	10	6,900	ND<500	ND<500
B18-15'	7/17/2019	15	3.7	ND<10	ND<10
B18-25'	7/17/2019	25	6,100	75	ND<50
B19-1'	7/18/2019	1	ND<2.43	ND<500	680
B19-5'	7/18/2019	5	ND<2.31	ND<10	14
Quality Control Samples (mg/l)					
EB-01	7/17/2019	NA	ND<0.05	ND<0.2	ND<0.3
EB-02	7/18/2019	NA	ND<.05	ND<0.2	ND<0.3
EB-03	7/19/2019	NA	ND<0.05 / ND<0.3	ND<0.2	ND<0.3
Regulatory Screening Levels (mg/kg)					
EPA RSLs (Industrial Soil)			420*	600*	33,000*

Notes:

bold text indicates results exceeding regulatory screening level

' feet

* aromatic fraction

bgs - below ground surface

DUP - duplicate sample, listed immediately below its primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

mg/kg - milligrams per kilogram

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels, April 2019

TPHs - total petroleum hydrocarbons

Table 2A – Soil Sample Analytical Results – TPHs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 8015B (mg/kg)	
			TPH as Gasoline (C6-C12)	TPH as Diesel (C13-C22)
B2-25'	7/18/2019	25	ND<2.67	600
B18-10'	7/17/2019	10	6,900	ND<500
B18-25'	7/17/2019	25	6,100	75
Regulatory Screening Levels (mg/kg)				
EPA RSLs (Industrial Soil)			420*	600*

Notes:

bold text indicates results exceeding regulatory screening level

' feet

* aromatic fraction

bgs - below ground surface

DUP - duplicate sample, listed immediately below its primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

mg/kg - milligrams per kilogram

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels, April 2019

TPHs - total petroleum hydrocarbons

Table 3 – Soil Sample Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260B (µg/kg)														
			Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	N-butylbenzene	Naphthalene	Sec-butylbenzene	Methylene chloride	Benzene	Xylenes (Total)	Ethylbenzene	Tetrachloroethene	t-Butyl alcohol (TBA)	Toluene	Other VOCs
B1-0.5'	7/18/2019	0.5	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	5.1	ND<5	ND<5	ND<5	ND<10	ND<5	ND
DUP-1 [B1-0.5']	7/18/2019	NA	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND
B1-10'	7/18/2019	10	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	8.4	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B1-20'	7/18/2019	20	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7	ND<3.5	ND
B2-15'	7/18/2019	15	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B2-25'	7/18/2019	25	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B3-0.5'	7/18/2019	0.5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B3-10'	7/18/2019	10	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B3-15'	7/18/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B4A-5'	7/18/2019	5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B4A-15'	7/18/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	19	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B4A-20'	7/18/2019	20	120	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	4.8	ND<8	ND<4	ND
B5-0.5'	7/18/2019	0.5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B5-15'	7/18/2019	15	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7	ND<3.5	ND
B6-5'	7/17/2019	5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B6-15'	7/17/2019	15	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11	ND<5.5	ND
B7-0.5'	7/17/2019	0.5	140	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B7-10'	7/17/2019	10	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B8-0.5'	7/17/2019	0.5	390	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<17	ND<8.5	ND
B8-20'	7/17/2019	20	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B9-0.5'	7/19/2019	0.5	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11	ND<5.5	ND
B9-10'	7/19/2019	10	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B9-15'	7/19/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B9-20'	7/19/2019	20	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B10-0.5'	7/19/2019	0.5	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B10-5'	7/19/2019	5	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B10-15'	7/19/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B11-0.5'	7/19/2019	0.5	140	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B11-10'	7/19/2019	10	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B11-20'	7/19/2019	20	ND<120	ND<6	ND<6	ND<6	ND<6	ND<6	ND<6	6.0	ND<6	ND<6	ND<6	ND<6	ND<12	ND<6	ND
DUP-4 [B11-20']	7/19/2019	NA	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	4.2	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B12-0.5'	7/19/2019	0.5	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B12-20'	7/19/2019	20	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B13-0.5'	7/18/2019	0.5	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B13-1'	7/18/2019	1	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7	ND<3.5	ND
B14-0.5'	7/18/2019	0.5	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B14-1'	7/18/2019	1	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
DUP-3 [B14-1']	7/18/2019	NA	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B15-1'	7/18/2019	1	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11	ND<5.5	ND
B15-2'	7/18/2019	2	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7	ND<3.5	ND
B16-0.5'	7/17/2019	0.5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B16-15'	7/17/2019	15	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8	ND<4	ND
B16-25'	7/17/2019	25	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B17-0.5'	7/17/2019	0.5	940	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	13	ND<4.5	ND

Table 3 – Soil Sample Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260B (µg/kg)														
			Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	N-butylbenzene	Naphthalene	Sec-butylbenzene	Methylene chloride	Benzene	Xylenes (Total)	Ethylbenzene	Tetrachloroethene	t-Butyl alcohol (TBA)	Toluene	Other VOCs
B17-15'	7/17/2019	15	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11	ND<5.5	ND
B17-25'	7/17/2019	25	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
B18-5'	7/17/2019	5	ND<4,900	ND<245	ND<245	ND<245	ND<245	ND<245	ND<245	430	ND<245	ND<245	ND<245	ND<245	ND<490	ND<245	ND
B18-10'	7/17/2019	10	ND<10,000	29,000	10,000	8,300	5,400	3,500	820	ND<500	ND<500	ND<500	ND<500	ND<500	ND<1,000	ND<500	ND
B18-15'	7/17/2019	15	ND<120	15	ND<6	ND<6	ND<6	10	ND<6	ND<6	ND<6	ND<6	ND<6	ND<6	ND<12	ND<6	ND
B18-25'	7/17/2019	25	ND<11,360	25,000	10,000	7,300	5,200	2,900	ND<568	1,600	ND<568	750	ND<568	ND<568	ND<1,136	ND<568	ND
B19-1'	7/18/2019	1	97	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9	ND<4.5	ND
B19-5'	7/18/2019	5	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7	ND<3.5	ND
Quality Control Samples (ug/l)																	
EB-01	7/17/2019	NA	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<10	ND<5	ND
EB-02	7/18/2019	NA	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	ND<5	ND<5	ND<5	ND<10	ND<5	ND
EB-03	7/19/2019	NA	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	8.2	ND<1	ND<5	ND<5	ND<5	ND<10	ND<5	ND
TB-01	7/17/2019	NA	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
TB-02	7/18/2019	NA	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND
TB-03	7/19/2019	NA	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	11	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND
Regulatory Screening Levels																	
EPA RSLs (Industrial Soil)			670,000,000	1,800,000	1,500,000	NL	58,000,000	17,000	120,000,000	1,000,000	5,100	2,500,000	25,000	100,000	NL	47,000,000	Various
EPA RSLs (Residential Soil)			5,800		650,000	550,000		61,000,000		61,000,000		650,000	5,800	24,000		4,900,000	Various
DTSC-SLs (Commercial/Industrial)			NL	NL	NL	NL	36,000,000	6,500	12,000,000	26,000	1,400	NL	NL	2,700	NL	5,300,000	Various
DTSC HERO HHRA (Industrial Soil)			NL		NL	NL		NL		NL		NL	NL	2,700		5,300,000*	Various
DTSC HERO HHRA (Residential Soil)			NL		NL	NL		2,000		2,200	330	NL	NL	590		1,100,000*	Various

Notes:

bold text indicates exceedance of regulatory screening level

' feet

-- not analyzed

* - noncancer endpoint

µg/kg - microgram per kilogram

bgs - below ground surface

DTSC-SL - Department of Toxic Substances Control-Screening, April, 2019

DUP - duplicate sample, listed immediately below its primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels, April 2019

VOCs - volatile organic compounds

Table 4 – Soil Sample Analytical Results – PCBs, OCPs, and SVOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	PCBs by EPA Method 8082 (µg/kg)	OCPs by EPA Method 8081A (µg/kg)	SVOCs / PAHs by EPA Method 8270C / 8270CM (ug/kg)															
					Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chlordane	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Toxaphene	Benzo(a)pyrene Equivalents	Other SVOCs
B1-0.5'	7/18/2019	0.5	ND	--	ND<250	ND<250	630	390	870	380	--	ND<250	430	760	ND<250	ND<250	730	--	749	ND
DUP-1 [B1-0.5']	7/18/2019	NA	ND	--	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	--	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	--	ND	ND
B1-5'	7/18/2019	5	ND	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND	ND
B1-10'	7/18/2019	10	--	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND	ND
B1-20'	7/18/2019	20	--	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	21	ND<10	ND<10	24	15	--	ND	ND
B2-0.5'	7/18/2019	0.5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-5'	7/18/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-15'	7/18/2019	15	--	--	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND	ND
B2-25'	7/18/2019	25	--	--	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND	ND
B3-0.5'	7/18/2019	0.5	ND	--	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	--	ND<500	ND<500	ND<500	ND<500	ND<500	600	--	ND	ND
B3-5'	7/18/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
B3-10'	7/18/2019	10	--	--	ND<100	310	940	560	890	540	--	320	760	850	ND<100	160	930	--	1,117	ND
B3-15'	7/18/2019	15	--	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND	ND
B4-0.5'	7/18/2019	0.5	20 (Aroclor-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
DUP-2 [B4-0.5']	7/18/2019	NA	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
B4A-5'	7/18/2019	5	ND	--	ND<100	310	640	510	400	ND<100	--	290	510	510	ND<100	230	530	--	773	ND
B4A-15'	7/18/2019	15	--	--	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	--	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	2,300	--	ND	ND
B4A-20'	7/18/2019	20	--	--	ND<1,000	ND<1,000	ND<1,000	ND<1,000	1,600	ND<1,000	--	ND<1,000	ND<1,000	1,000	ND<1,000	ND<1,000	ND<1,000	--	100	ND
B5-0.5'	7/18/2019	0.5	ND	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	17	ND<10	ND<10	18	12	--	ND	ND
B5-5'	7/18/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
B5-15'	7/18/2019	15	--	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	15	ND<10	ND<10	17	11	--	ND	ND
B6-5'	7/17/2019	5	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B6-15'	7/17/2019	15	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B7-0.5'	7/17/2019	0.5	--	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	--	ND	ND
B7-10'	7/17/2019	10	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B8-0.5'	7/17/2019	0.5	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B8-20'	7/17/2019	20	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B9-0.5'	7/19/2019	0.5	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B9-10'	7/19/2019	10	--	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND	ND
B9-20'	7/19/2019	20	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B10-0.5'	7/19/2019	0.5	--	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	--	ND	ND
B10-5'	7/19/2019	5	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B11-0.5'	7/19/2019	0.5	--	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	--	ND	ND
B11-20'	7/19/2019	20	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
DUP-4 [B11-20']	7/19/2019	NA	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B12-0.5'	7/19/2019	0.5	42 (Aroclor-1254)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
B12-5'	7/19/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
B13-0.5'	7/18/2019	0.5	ND	ND	16	22	40	35	44	31	ND<50	22	56	38	13	35	56	ND<100	50	ND
B13-1'	7/18/2019	1	ND	ND	ND<10	14	24	21	24	18	ND<50	13	39	20	11	29	39	ND<100	30	ND
B14-0.5'	7/18/2019	0.5	12 (Aroclor-1254)	ND	ND<50	ND<50	ND<50	50	ND<50	ND<50	ND<50	ND<50	75	ND<50	ND<50	ND<50	73	ND<100	5	ND
B14-1'	7/18/2019	1	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND	ND
DUP-3 [B14-1']	7/18/2019	NA	ND	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND	ND
B15-0.5'	7/18/2019	0.5	140 (Aroclor-1254) 28 (Aroclor-1260)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND
B15-1'	7/18/2019	1	ND	ND	ND<10	ND<10	11	12	11	13	ND<50	14	27	10	ND<10	15	25	ND<100	13	ND
B15-2'	7/18/2019	2	--	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND	ND
B16-0.5'	7/17/2019	0.5	--	--	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	--	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	--	ND	ND

Table 4 – Soil Sample Analytical Results – PCBs, OCPs, and SVOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	PCBs by EPA Method 8082 (µg/kg)	OCPs by EPA Method 8081A (µg/kg)	SVOCs / PAHs by EPA Method 8270C / 8270CM (ug/kg)															
					Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chlordane	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Toxaphene	Benzo(a)pyrene Equivalents	Other SVOCs
B16-15'	7/17/2019	15	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B17-0.5'	7/17/2019	0.5	--	--	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	--	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	--	ND	ND
B17-15'	7/17/2019	15	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND	ND
B18-5'	7/17/2019	5	--	--	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	--	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	--	ND	ND
B18-25'	7/17/2019	25	--	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	--	ND<250	ND<250	ND<250	300	ND<250	ND<250	--	ND	ND
B19-0.5'	7/18/2019	0.5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B19-1'	7/18/2019	1	ND	ND	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<50	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<100	ND	ND
B19-5'	7/18/2019	5	--	ND	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<100	ND	ND
Quality Control Samples (ug/l)																				
EB-1	7/17/2019	NA	--	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND
EB-02	7/18/2019	NA	ND	ND	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND	ND
EB-03	7/19/2019	NA	ND	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND
Regulatory Screening Levels (µg/kg)																				
EPA RSLs (Industrial Soil)			940	Various	230,000,000	21,000	2,100	21,000	NL	210,000	7,700	2,100,000	300,000,000	21,000	17,000	NL	23,000,000	2,100	2,100	Various
EPA RSLs (Residential Soil)			Various										2,400		61,000,000		1,800			Various
DTSC-SLs (Commercial/Industrial)			580 (total)	Various	130,000,000	12,000	1,300	13,000	NL	130,000	6,100	1,300,000	180,000,000	13,000	6,500	NL	13,000,000	1,200	NL	Various
DTSC HERO HHRA (Industrial Soil)			Various				NL									NL	NL			Various
DTSC HERO HHRA (Residential Soil)			Various				NL									NL	NL			Various

Notes:

bold text indicates exceedance of regulatory screening level

' feet

-- not analyzed

µg/kg - microgram per kilogram

bgs - below ground surface

DTSC-SL - Department of Toxic Substances Control-Screening, April, 2019

DUP - duplicate sample, listed immediately below its primary sample

EB - equipment blank

EPA - United States Environmental Protection Agency

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

OCPs - organochlorine pesticides

PCBs - polychlorinated biphenyls

RSLs - United States Environmental Protection Agency Regional Screening Levels, April 2019

SVOCs - semi-volatile organic compounds

Table 5 – Soil Vapor Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260SV (µg/m^3)												
			Benzene	Benzo[a]pyrene	Chloroform	Naphthalene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Dichlorodifluoromethane (F12)	1,1,2 Trichlorotrifluoroethane (F113)	1,1-Difluoroethane (LCC)	Other VOCs
B1-5	7/23/2019	5	10	--	ND<10	ND<20	40	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B1-15	7/23/2019	15	10	--	ND<10	ND<20	120	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B2-5	7/23/2019	5	30	--	ND<10	30	20	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	580	ND
B2-15	7/23/2019	15	40	--	ND<10	ND<20	1100	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B3-5	7/23/2019	5	ND<10	--	ND<10	ND<20	420	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B3-15	7/23/2019	15	ND<10	--	ND<10	ND<20	1000	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B4-5	7/23/2019	5	20	--	ND<10	ND<20	4000	720	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B4-5 REP	7/23/2019	5	20	--	ND<10	ND<20	4000	760	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B4-15	7/23/2019	15	ND<10	--	ND<10	ND<20	1700	30	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B5-5	7/23/2019	5	ND<10	--	ND<10	ND<20	230	90	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B5-15	7/23/2019	15	ND<10	--	10	ND<20	210	50	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B6-5	7/22/2019	5	20	--	ND<10	ND<20	20	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B6-15	7/22/2019	15	20	--	ND<10	ND<20	ND<20	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B7-5	7/22/2019	5	20	--	ND<10	ND<20	ND<20	ND<10	ND<10	380	220	ND<40	ND<40	ND<100	ND
B7-15	7/22/2019	15	ND<10	--	ND<10	ND<20	ND<20	ND<10	ND<10	40	ND<40	ND<40	ND<40	ND<100	ND
B8-5	7/22/2019	5	20	--	ND<10	ND<20	40	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B8-15	7/22/2019	15	20	--	ND<10	ND<20	40	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B9-5	7/23/2019	5	ND<10	--	20	ND<20	110	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B9-15	7/23/2019	15	ND<10	--	30	ND<20	170	20	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B10-5	7/23/2019	5	20	--	ND<10	ND<20	80	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B10-15	7/23/2019	15	50	--	50	ND<80	230	ND<60	ND<40	ND<160	ND<160	ND<160	ND<160	ND<400	ND
B11-5	7/23/2019	5	40	--	40	ND<80	330	ND<50	ND<40	ND<160	ND<160	ND<160	ND<160	ND<400	ND
B11-15	7/23/2019	15	10	--	80	ND<20	390	100	ND<10	ND<40	ND<40	130	90	ND<100	ND
B11-15 REP	7/23/2019	15	20	--	50	ND<20	350	90	ND<10	ND<40	ND<40	130	110	ND<100	ND
B13-5	7/23/2019	5	20	--	ND<10	ND<20	40	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B14-5	7/23/2019	5	30	--	ND<10	ND<20	40	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B15-5	7/23/2019	5	30	--	ND<10	ND<20	150	70	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B16-5	7/22/2019	5	50	--	ND<50	ND<100	ND<80	ND<60	ND<50	ND<200	ND<200	ND<200	ND<200	ND<500	ND
B16-15	7/22/2019	15	10	--	ND<10	ND<20	ND<20	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
B17-5	7/23/2019	5	30	--	ND<20	ND<40	ND<30	ND<20	ND<20	ND<80	ND<80	ND<80	ND<80	ND<200	ND
B17-15	7/23/2019	15	60	--	ND<40	ND<80	ND<60	ND<50	ND<40	ND<160	ND<160	ND<160	ND<160	ND<400	ND
B18-5	7/22/2019	5	ND<400	--	ND<400	ND<800	ND<640	ND<480	ND<400	ND<1,600	ND<1,600	ND<1,600	ND<1,600	ND<4,000	ND
B18-5 REP	7/22/2019	5	ND<400	--	ND<400	ND<400	ND<640	ND<480	ND<400	ND<1,600	ND<1,600	ND<1,600	ND<1,600	ND<4,000	ND
B18-15	7/22/2019	15	50	--	ND<50	ND<100	ND<80	ND<60	ND<50	ND<200	ND<200	ND<200	ND<200	ND<500	ND
B19-5	7/23/2019	5	20	--	ND<10	ND<20	20	ND<10	ND<10	ND<40	ND<40	ND<40	ND<40	ND<100	ND
Quality Control Samples (µg/m^3)															
AMBIENT AIR	7/22/2019	NA	ND<20	--	ND<20	ND<20	ND<20	ND<20	ND<10	ND<100	ND<100	ND<100	ND<100	ND<100	ND
AMBIENT AIR BLANK	7/23/2019	NA	ND<20	--	ND<20	ND<20	ND<20	ND<20	ND<10	ND<100	ND<100	ND<100	ND<100	ND<100	ND
AMBIENT AIR 072319	7/23/2019	NA	ND<20	--	ND<20	ND<20	ND<20	ND<20	ND<10	ND<100	ND<100	ND<100	ND<100	ND<100	ND

Table 5 – Soil Vapor Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260SV (µg/m^3)												
			Benzene	Benzo[a]pyrene	Chloroform	Naphthalene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Dichlorodifluoromethane (F12)	1,1,2 Trichlorotrifluoroethane (F113)	1,1-Difluoroethane (LCC)	Other VOCs
Regulatory Screening Levels (µg/m^3)															
Modified EPA RSLs[1] (Industrial Soil Gas)			53	0.29*	20	20	1,567	100	933	8,667	8,667	14,667	NL	6,000,000	Various
Modified DTSC-SLs[1] (Commercial/Industrial Soil Gas)			14	0.29*	NL	NL	67	NL	5.3	NL	NL	NL	NL	NL	Various

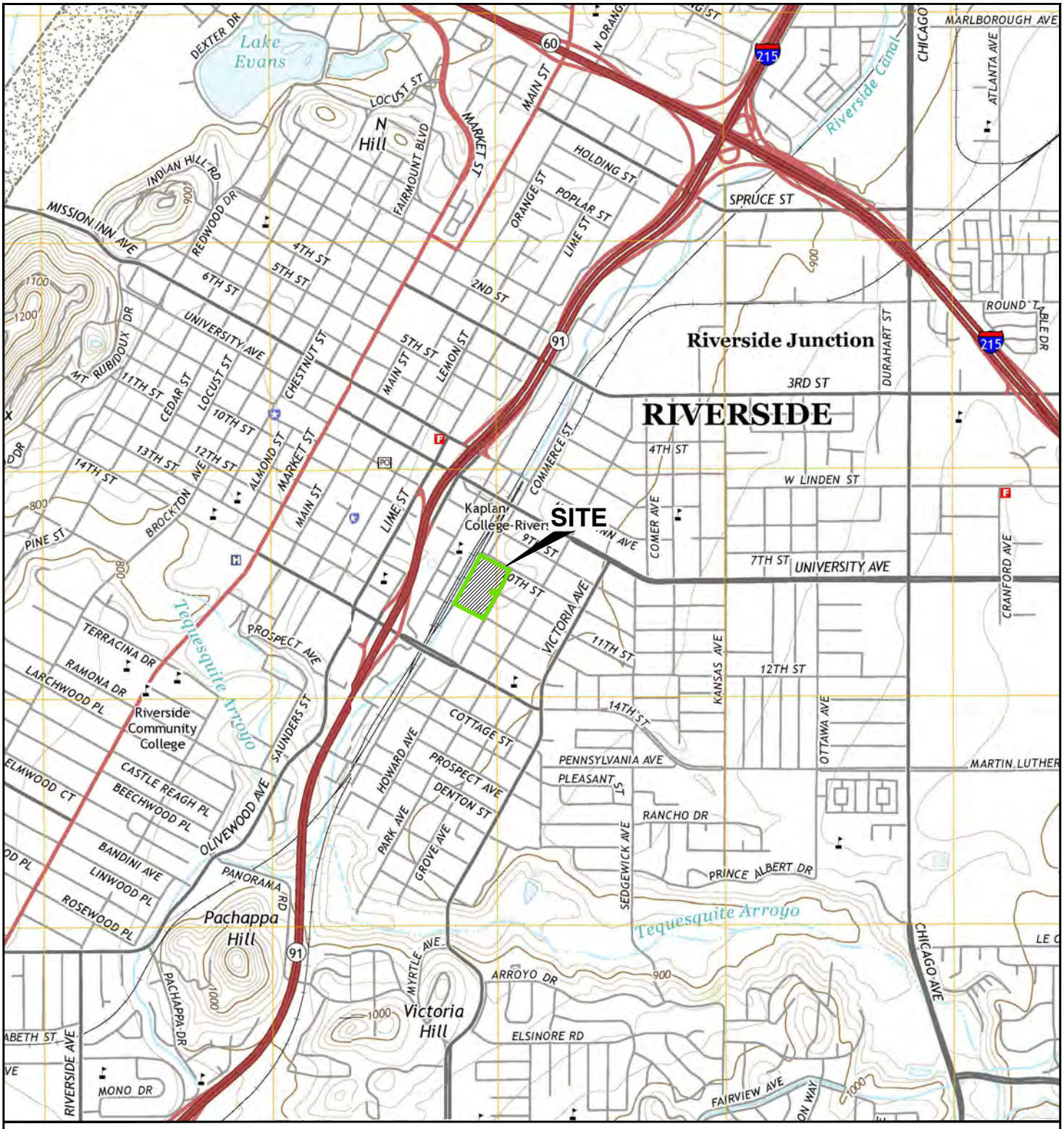
Notes:
bold text indicates exceedance of regulatory screening leve
[1] Attenuation factor of 0.03 applied to EPA RSLs
[2] value for propyl benzene shown
* non-cancer endpoint
µg/m^3 - microgram per cubic meter
bgs - below ground surface
EPA - United States Environmental Protection Agency
ESLs - San Francisco Bay Water Quality Control Board Environmental Screening Levels, January 2019
ID - Identification
J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.
Modified DTSC-SLs[1] (Commercial/Industrial Soil Gas), April 2019
Modified EPA RSLs[1] (Industrial Soil Gas), November 2019
NA - not applicable
ND< - not detected above the laboratory reporting limit
NL - not listed
REP - replicate sample, listed immediately below its primary sample
RSLs - United States Environmental Protection Agency Regional Screening Levels, November 2019
VOCs - volatile organic compounds
-- - not analyzed

Table 5A– Soil Vapor Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260SV (µg/m^3)						
			Benzene	Benzo[a]pyrene	Chloroform	Naphthalene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
B1-15	7/23/2019	15	10	--	ND<10	ND<20	120	ND<10	ND<10
B2-5	7/23/2019	5	30	--	ND<10	30	20	ND<10	ND<10
B2-15	7/23/2019	15	40	--	ND<10	ND<20	1100	ND<10	ND<10
B3-5	7/23/2019	5	ND<10	--	ND<10	ND<20	420	ND<10	ND<10
B3-15	7/23/2019	15	ND<10	--	ND<10	ND<20	1000	ND<10	ND<10
B4-5	7/23/2019	5	20	--	ND<10	ND<20	4000	720	ND<10
B4-5 REP	7/23/2019	5	20	--	ND<10	ND<20	4000	760	ND<10
B4-15	7/23/2019	15	ND<10	--	ND<10	ND<20	1700	30	ND<10
B5-5	7/23/2019	5	ND<10	--	ND<10	ND<20	230	90	ND<10
B5-15	7/23/2019	15	ND<10	--	10	ND<20	210	50	ND<10
B6-5	7/22/2019	5	20	--	ND<10	ND<20	20	ND<10	ND<10
B6-15	7/22/2019	15	20	--	ND<10	ND<20	ND<20	ND<10	ND<10
B7-5	7/22/2019	5	20	--	ND<10	ND<20	ND<20	ND<10	ND<10
B7-15	7/22/2019	15	ND<10	--	ND<10	ND<20	ND<20	ND<10	ND<10
B8-5	7/22/2019	5	20	--	ND<10	ND<20	40	ND<10	ND<10
B8-15	7/22/2019	15	20	--	ND<10	ND<20	40	ND<10	ND<10
B9-5	7/23/2019	5	ND<10	--	20	ND<20	110	ND<10	ND<10
B9-15	7/23/2019	15	ND<10	--	30	ND<20	170	20	ND<10
B10-5	7/23/2019	5	20	--	ND<10	ND<20	80	ND<10	ND<10
B10-15	7/23/2019	15	50	--	50	ND<80	230	ND<60	ND<40
B11-5	7/23/2019	5	40	--	40	ND<80	330	ND<50	ND<40
B11-15	7/23/2019	15	10	--	80	ND<20	390	100	ND<10
B11-15 REP	7/23/2019	15	20	--	50	ND<20	350	90	ND<10
B13-5	7/23/2019	5	20	--	ND<10	ND<20	40	ND<10	ND<10
B14-5	7/23/2019	5	30	--	ND<10	ND<20	40	ND<10	ND<10
B15-5	7/23/2019	5	30	--	ND<10	ND<20	150	70	ND<10
B16-5	7/22/2019	5	50	--	ND<50	ND<100	ND<80	ND<60	ND<50
B17-5	7/23/2019	5	30	--	ND<20	ND<40	ND<30	ND<20	ND<20
B17-15	7/23/2019	15	60	--	ND<40	ND<80	ND<60	ND<50	ND<40
B18-15	7/22/2019	15	50	--	ND<50	ND<100	ND<80	ND<60	ND<50
B19-5	7/23/2019	5	20	--	ND<10	ND<20	20	ND<10	ND<10
Regulatory Screening Levels (µg/m^3)									
Modified EPA RSLs[1] (Industrial Soil Gas)			53	0.29*	18	12	1,567	100	933
Modified DTSC-SLs[1] (Commercial/Industrial Soil Gas)			14	0.29*	NL	NL	67	NL	5.3

Notes:
bold text indicates exceedance of regulatory screening level
[1] Attenuation factor of 0.03 applied to EPA RSLs
[2] value for propyl benzene shown
* non-cancer endpoint
µg/m^3 - microgram per cubic meter
bgs - below ground surface
EPA - United States Environmental Protection Agency
ESLs - San Francisco Bay Water Quality Control Board Environmental Screening Levels, January 2019
ID - Identification
J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.
NA - not applicable
ND< - not detected above the laboratory reporting limit
NL - not listed
REP - replicate sample, listed immediately below its primary sample
RSLs - United States Environmental Protection Agency Regional Screening Levels, November 2019
VOCs - volatile organic compounds
-- - not analyzed

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

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FEET

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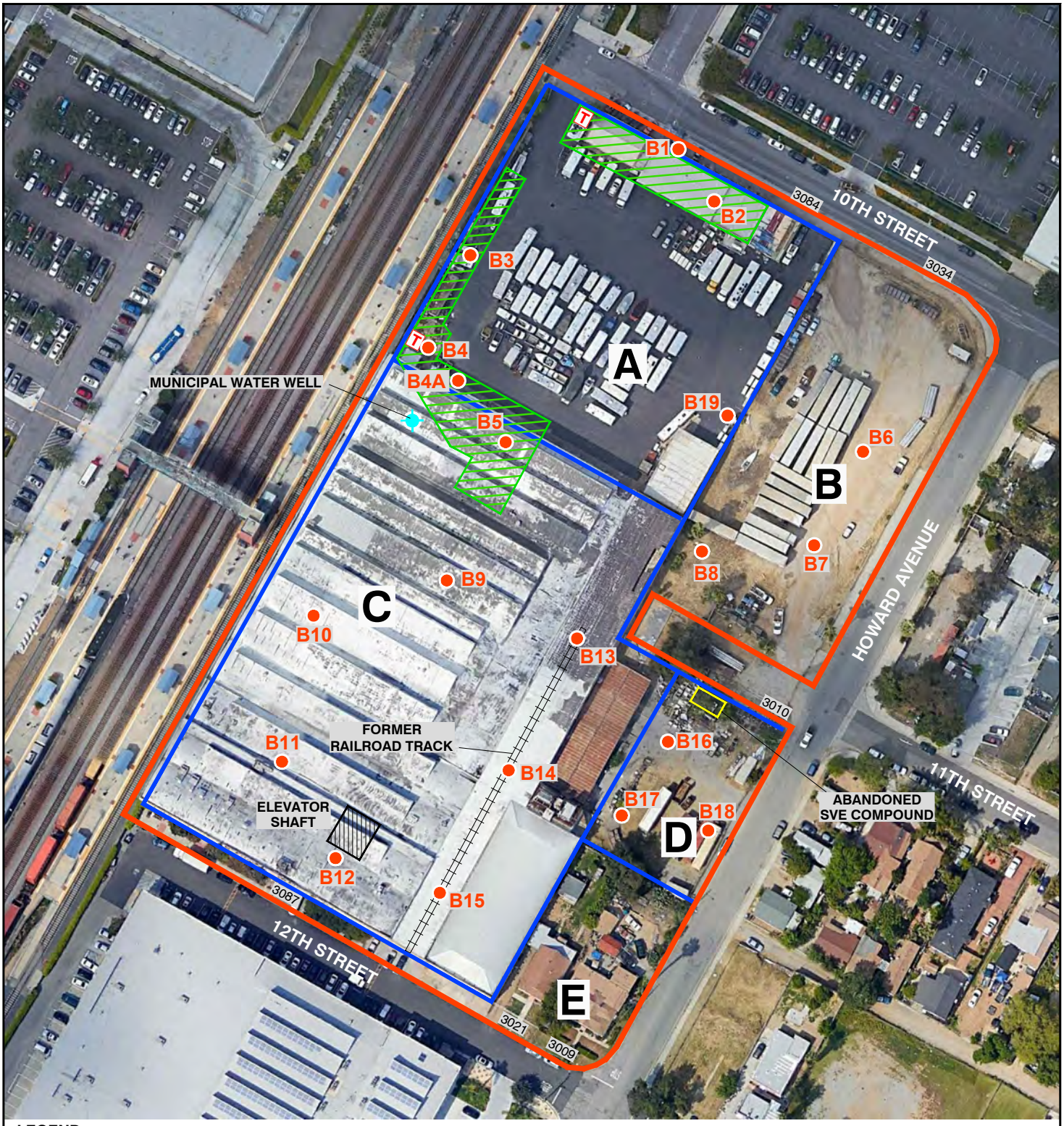
FIGURE 1

SITE LOCATION

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691009 I 4/20



LEGEND

	SITE BOUNDARY		LUC AREAS
	AREAS OF INTEREST	LUC	LAND USE CONVENANT
	WATER WELL	SVE	SOIL VAPOR EXTRACTION
B19	BORING	T	TRANSFORMER

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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209691009_SP.dwg 12/03/2019 (APRIL 2020) GK

FIGURE 2

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SITE PLAN AND BORING LOCATIONS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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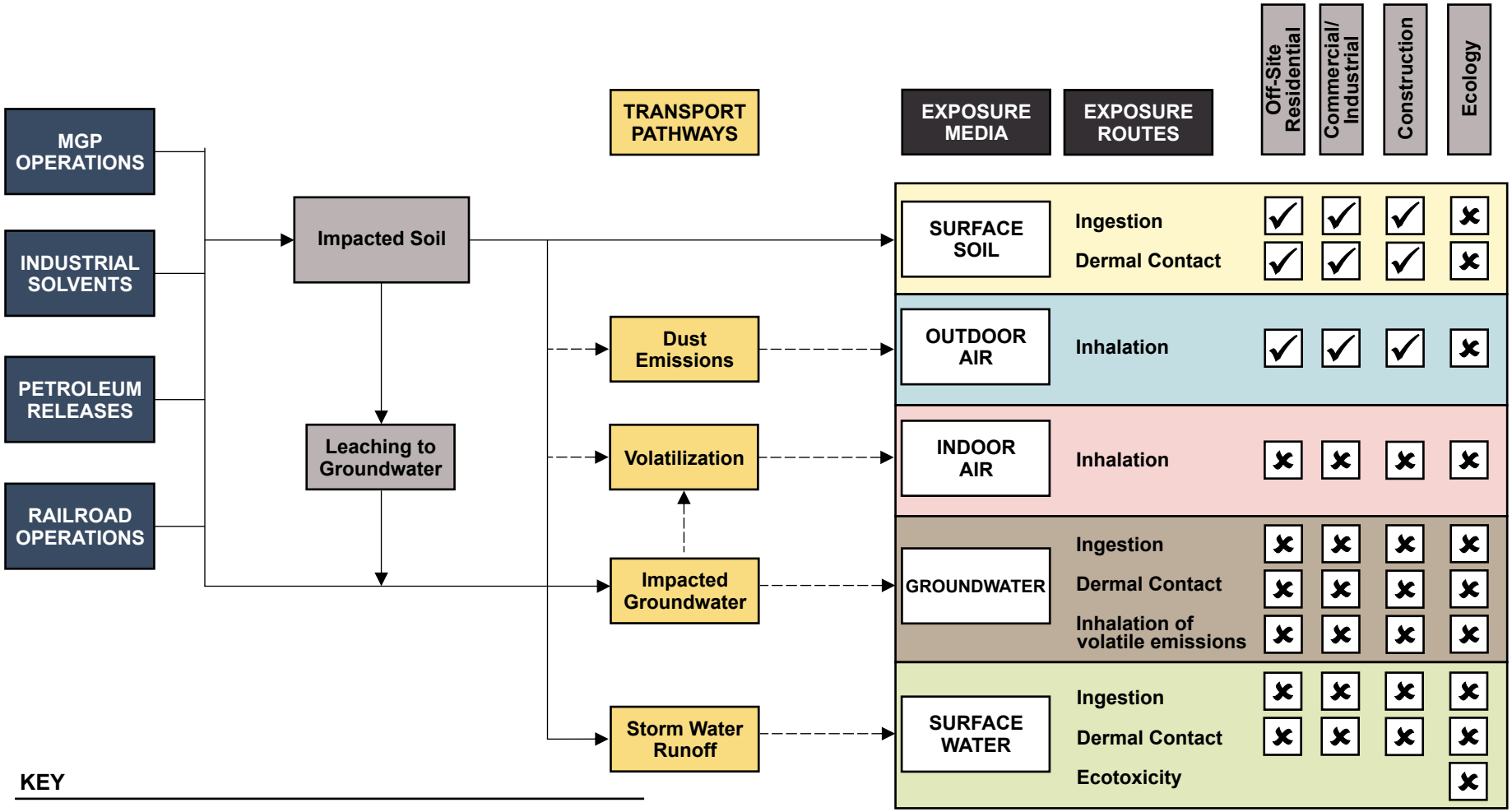


KEY

- Confirmed Complete Pathway
- Possibly Complete Pathway
- ✓ Exposure Pathway May Be Complete For The Receptor
- ✗ Exposure Pathway Is Incomplete For This Receptor

3 209691009 CSM.cdr AOB

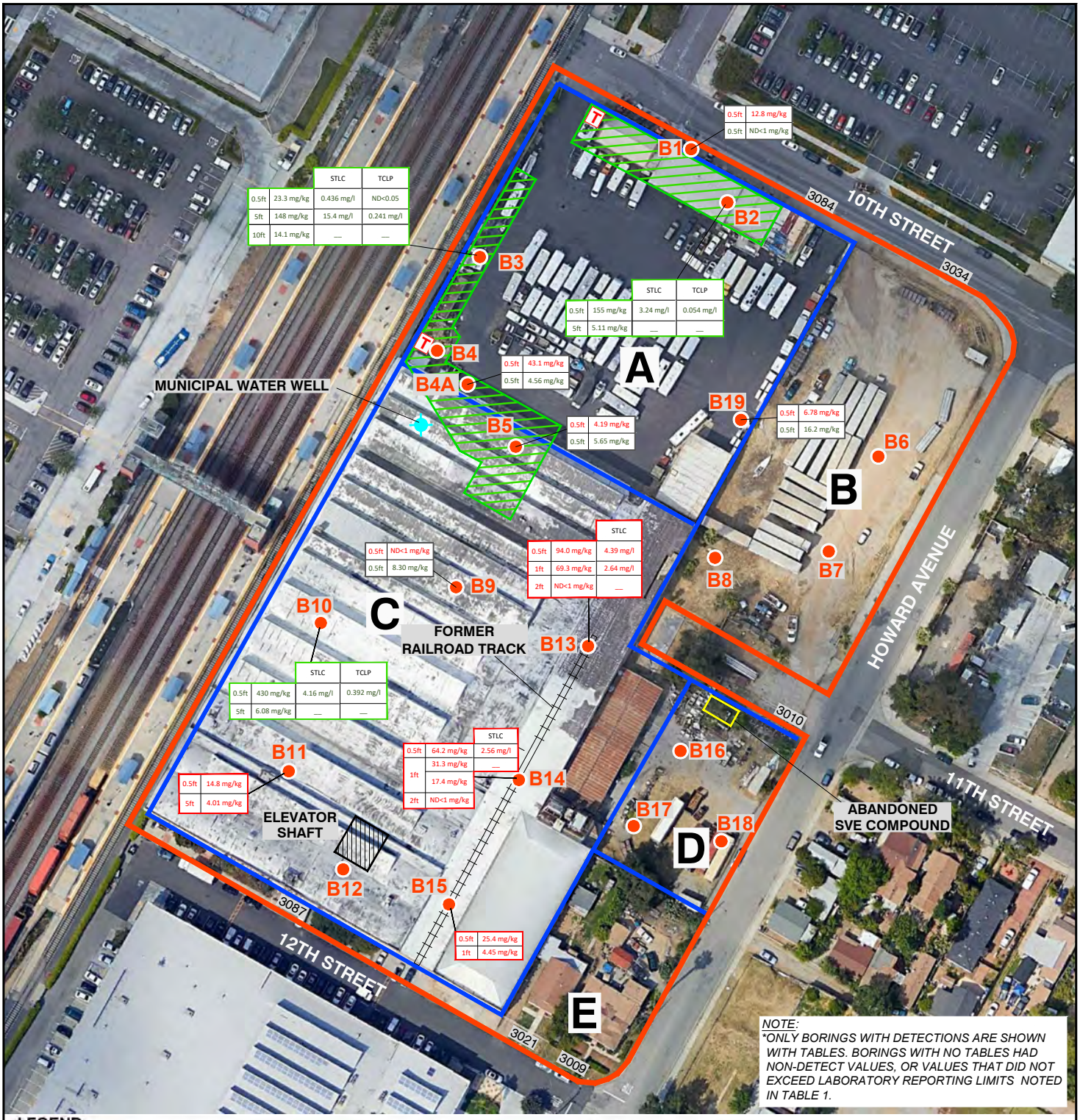
FIGURE 3

CONCEPTUAL SITE MODEL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

209691009 | 4/20



LEGEND

SITE BOUNDARY		LUC AREAS		LEAD CONCENTRATION	
AREAS OF INTEREST	LUC	LAND USE CONVENANT		ARSENIC CONCENTRATION	
WATER WELL			T	TRANSFORMER	
B19 BORING	SVE	SOIL VAPOR EXTRACTION	STLC	SOLUBLE TRESHOLD LIMIT CONCENTRATION	

TLCP TOXICITY CHARACTERISTIC LEACHING PROCEDURE

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NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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FIGURE 4

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

ARSENIC AND LEAD IN SHALLOW SOIL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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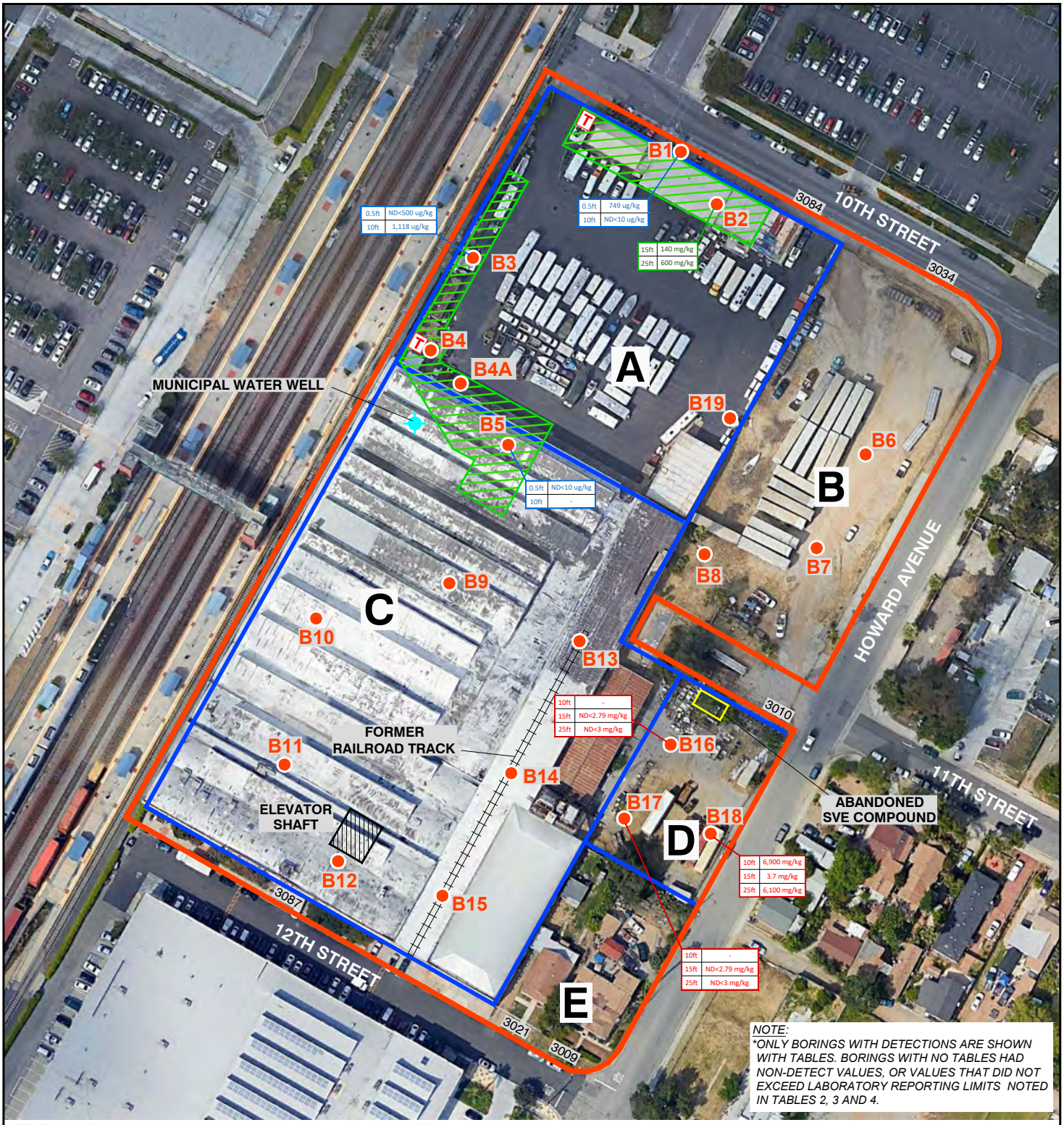


LEGEND

- SITE BOUNDARY
- AREAS OF INTEREST
- WATER WELL
- B19 BORING
- LUC AREAS
- LUC LAND USE CONVENANT
- SVE SOIL VAPOR EXTRACTION
- TPH AS GASOLINE CONCENTRATION
- TPH AS DIESEL CONCENTRATION
- BENZO(A) PYRENE EQUIVALENTS CONCENTRATION
- T TRANSFORMER

N

FEET 0 120 240

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

209691009_TPHVOC.dwg 12/03/2019 (APRIL 2020) GK

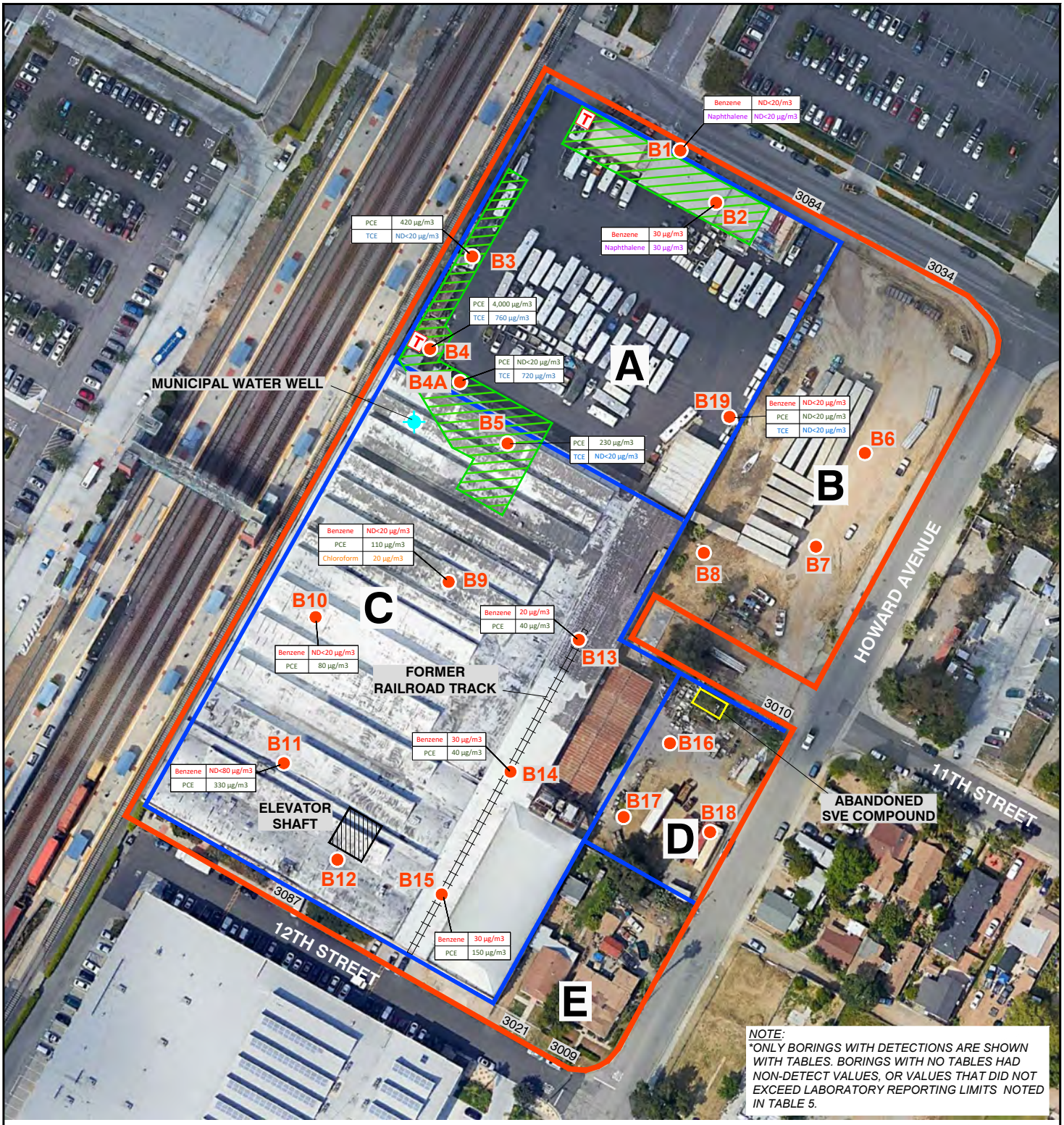
FIGURE 5

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

TPHs, VOCs, AND SVOCs IN SOIL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691009 I 4/20



LEGEND

	SITE BOUNDARY		LUC AREAS	PCE	TETRACHLOROETHENE
	AREAS OF INTEREST	LUC	LAND USE CONVENANT	TCE	TRICHLOROETHENE
	WATER WELL	SVE	SOIL VAPOR EXTRACTION		
B19	BORING	T	TRANSFORMER		

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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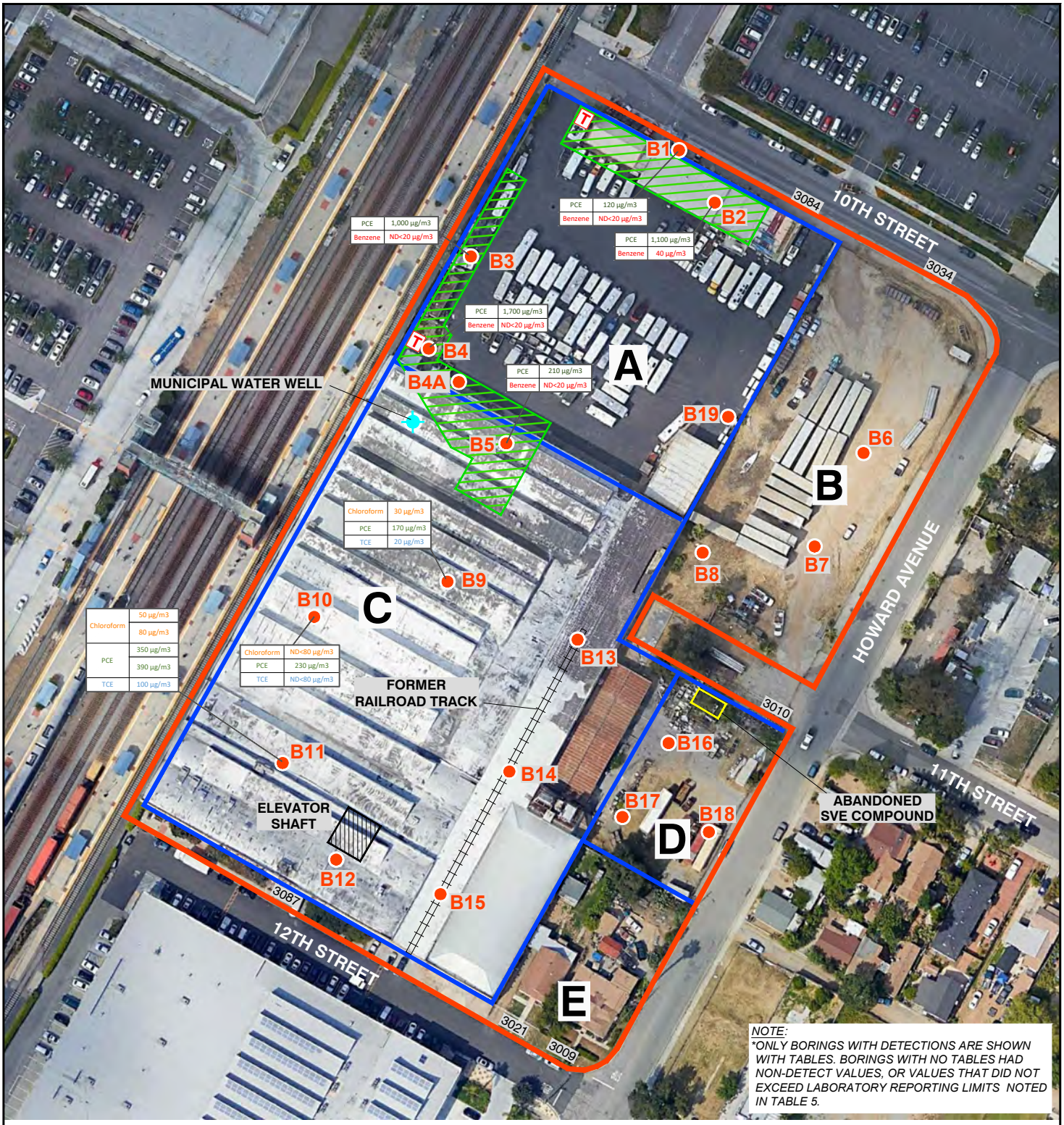
FIGURE 6

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SOIL VAPOR VOCs AT 5 FEET

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691009 I 4/20



LEGEND

	SITE BOUNDARY		LUC AREAS	PCE	TETRACHLOROETHENE
	AREAS OF INTEREST	LUC	LAND USE CONVENANT	TCE	TRICHLOROETHENE
	WATER WELL	SVE	SOIL VAPOR EXTRACTION		
B19	BORING	T	TRANSFORMER		

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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209691009_SV15.dwg 12/03/2019 (APRIL 2020) GK

FIGURE 7

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SOIL VAPOR VOCs AT 15 FEET

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

209691009 I 4/20

APPENDIX A

DTSC Correspondence and Ninyo & Moore Responses

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

October 17, 2019

Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, 3rd Floor
Riverside, California 92501

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT, RIVERSIDE TRAIN STATION, RIVERSIDE COUNTY 3034, 3084 10th STREET, 3010 11TH STREET, 3009,3021, 3075 AND 3087 12TH STREET, RIVERSIDE, CALIFORNIA 92507 (SITE CODE: 401863)

Dear Mr. Casillas:

The Department of Toxic Substances Control (DTSC) reviewed the Limited Phase II Environmental Site Assessment (Report) dated September 23, 2019 prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) for the above referenced site (Site). The Site is comprised of ten parcels encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station in Riverside, California. RCTC proposes to purchase these properties and develop them into a parking lot as a part of the Riverside Downtown Metrolink Station project.

The Report presented soil and soil vapor sampling procedures, analytical data and recommendations. The objectives of the assessment were to establish the presence of chemicals of potential concern (COPCs) in soil and soil vapor and their potential threat to construction workers, public health, and the environment at the Site. The assessment was conducted in accordance with the Technical Memorandum Work Plan (Workplan) dated May 28, 2019. DTSC approved the Workplan by a letter dated June 7, 2019.

Based on the review of the Report, DTSC has the following recommendations:

- Provide a separate section for all the exceedances observed during the assessment discussing how they will be further addressed.

- Respond to each comment separately provided by the project toxicologist and the geologist in the enclosed memoranda and revise the Report accordingly.

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- Resubmit the revised Report to DTSC with Response to Comments (RTCs) as an Appendix before the approval of the final Report.

Due to the presence of the high exceedances of many COPCs on the Site, DTSC further suggests conducting a more comprehensive assessment to protect the environment and the future utility workers. Please submit the revised Report along with the RTCs as an Appendix by November 15, 2019. Should you have any questions, please contact me at (818) 717-6552 or to the technical staff directly.

Sincerely,

Chand Sultana

Chand Sultana, Ph.D.
Project Manager
Site Mitigation & Restoration Program - Chatsworth Office

Enclosures

cc: John Jay Roberts, PG, CEG (via e-mail)
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

MEMORANDUM

TO: Chand Sultana, Ph.D.
Remedial Project Manager
Site Mitigation and Restoration Program – Chatsworth Office

FROM: Riz A. Sarmiento, Ph.D.
Staff Toxicologist
Human and Ecological Risk Office

DATE: October 15, 2019

SUBJECT: Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California 92502

PCA: 12018 Site: 401863-11

BACKGROUND:

On May 4, 2019, the Human and Ecological Risk Office (HERO) provided comments on the Technical Memorandum, Revised Limited Phase II Environmental Site Assessment (ESA) for the Riverside Downtown Metrolink Station, Riverside, California. This report, dated September 23, 2019, was prepared by the Riverside County Transportation Commission after receiving the comments.

COMMENTS

- This report fails to incorporate HERO's comment to include a conceptual site model (CSM). A CSM provides the framework for the assessment by identifying the potential human receptors based on the proposed land use of the site. The screening levels presented in the data tables are based on an industrial use of the site, therefore, HERO presumes that potential human receptors are commercial/industrial workers. HERO notes, however, that one of the stated project objectives is to estimate the potential threat to construction workers. Based

on this objective, risk-based levels of contaminants of potential concern (COPCs) for the construction worker scenario should be presented or discussed

- Table 1 shows that arsenic was detected above 12 milligrams per kilogram (mg/kg) in soil borings B13 and B14 along the former railroad track in Area C. Lead concentration in a single boring (B10) within Area C was 430 mg/kg at 0.5 foot below ground surface (bgs), but decreased to 6 mg/kg at 1 foot bgs. This report should present a recommendation for addressing these exceedances.

- Table 2 shows that TPH-gasoline concentrations in B-18 exceeded the EPA Regional Screening Levels (RSLs), but there is no discussion on how this exceedance will be addressed. HERO requires benzene, toluene, ethylbenzene, and xylene (BTEX) to be analyzed in lieu of TPH-gasoline. Table 3, however, shows that BTEX concentrations in B-18 were below the industrial soil screening levels. HERO recommends a supplementary discussion addressing these results.

- Table 5 shows that soil vapor concentrations of tetrachloroethylene (PCE) exceeded the DTSC screening levels (SLs) in samples B1 through B5, B9 through B11, and B15. Samples B1 through B5 are in the areas with a land use covenant (LUC). Once again, Section 10 of the report does not discuss what action will be implemented to address these exceedances.

- Please note that when the analytical reporting limits of an analyte exceeds its corresponding screening level, the analyte is presumed to be present at a concentration equivalent to its analytical reporting limit (RL). Although Section 10 attributes these elevated RLs to dilution, these exceedances should be addressed.

CONCLUSIONS

The Limited Phase II ESA essentially presents a comparison of the analytical results to screening levels. The focus of this report seems to be on the anticipated construction measures that will be implemented during construction activities. There is no discussion pertinent to the project objective of "estimating the potential threat to construction workers, public health, and the environment posed by COPCs at the site." HERO does not recommend approval of this report until this technical issue is resolved and HERO's comments are addressed adequately.

Review/Concur:

Shukla Roy-Semmen, Ph.D.
Senior Toxicologist
Southern California Unit Chief
Human and Ecological Risk Office, Cypress Office

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

TO: Chand Sultana, Ph.D.
Project Manager
Site Mitigation Program

FROM: Pete Cooke, PG, CHG
Site Mitigation Program

REVIEW: Juli Propes, PG, CEG, Supervisor
Site Mitigation Program

DATE: 10 October 2019

SUBJECT: Geologist review of the 23 September 2019 "Limited Phase II Environmental Site Assessment" for the Riverside Downtown Train Station, Riverside

Site Code 401863-11

As requested, the subject document has been reviewed. The following concerns should be addressed.

1. As noted in the text, the detection limits for many analyses were elevated past contaminant screening levels. Contaminants subject to the elevated detection limits include naphthalene, benzo[a]pyrene, chlordane, toxaphene, benzene, tetrachloroethene, trichloroethene, and vinyl chloride. With an abundance of elevated detection limits, characterization of the site remains incomplete. Sampling and analyses should be repeated while observing effective detection limits. Otherwise, the presence of contaminants at the site should be based on the elevated detection limits, followed by appropriate response actions, such as the potential determination of imminent and substantial endangerment to site users.

2. Soil vapor results for tetrachloroethene indicate an increasing trend in concentrations from the 5' probe depth to the 15' probe depth (this may also have been reflected by other contaminants if lower detection limits had been used). Vertical delineation of soil vapor, and characterization of any remaining source at the property, is recommended.

3. Section 6.3.3 discusses the leak check compound. The compound indicated should be changed to 1,1-difluoroethane, as indicated in Section 7.7.

4. Section 8, third bullet, discusses the detection of the leak check compound in sample B2-5. In contrast to that which is stated in the text, the detections depicted on Figure 5 are not consistent with neighboring locations. Additionally, the citation of apparently unpublished experiments cannot be endorsed. While the analytical results from this probe may have value even with the detection of the leak check compound, this section should be revised.

5. "Industrial Air Soil Gas" appears at the bottom of Table 5. It appears that this should instead be "Industrial Soil Gas".

6. Figures 3 through 6 appear to indicate only detections of contaminants. It is unclear from these figures that samples were collected and analyzed from locations without shown detections. At a minimum, the figure should indicate that only detections are shown. With the pervasive problem of elevated detection limits (see comment 1, above), it may be better to indicate the non-detect values for certain contaminants at each location.

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

MEMORANDUM

TO: Chand Sultana, Ph.D.
Remedial Project Manager
Site Mitigation and Restoration Program – Chatsworth Office

FROM: Riz A. Sarmiento, Ph.D.
Staff Toxicologist
Human and Ecological Risk Office

DATE: December 18, 2019

SUBJECT: REVISED LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT, RIVERSIDE DOWNTOWN METROLINK STATION, RIVERSIDE, CALIFORNIA 92502

PCA: 12018 Site: 401863-11

BACKGROUND:
On October 15, 2019, the Human and Ecological Risk Office (HERO) provided comments on the Limited Phase II Environmental Site Assessment (ESA) for the Riverside Downtown Metrolink Station, Riverside, California. This report, dated December 3, 2019, was prepared by Ninyo and Moore.

SCOPE OF REVIEW
HERO reviewed the revised Limited Phase II ESA to determine if the responses to comment were incorporated into the report.

COMMENTS

1. This report incorporates HERO's comment to include a conceptual site model (CSM). Although Area E, which consists of residences in the southeast corner, is not a part of this Limited Phase II ESA, this assessment should discuss how potential exposures of these residents to air particulates emitted during construction will be addressed. HERO recommends that off-site residents be

included as potential receptors. If potential exposures of off-site residents are incomplete, then this should be illustrated in the CSM.

Although the site is planned to be a parking lot that will be part of the Riverside Downton Metrolink Station, excluding future on-site commercial/industrial workers presumes that purchase of the site by the Riverside County Transportation Commission (RCTC) will definitely take place. Unless this documentation is provided the CSM should also include the commercial/industrial worker as a potential receptor. HERO notes that this report compares the collected data to screening levels for commercial/industrial land use. This CSM should be consistent with the methodology of this ESA, hence, the CSM should show the commercial/industrial worker, the construction worker, and the off-site residents as potential receptors

2. This report addresses HERO's Comment #2 by stating that the soil management plan (SMP) will address exceedances in arsenic- and lead-impacted soil. It should be noted that Section 7.1 discusses that the results of the Toxicity Characteristic Leaching Procedure (TCLP) analysis showed a lead concentration that is less than the hazardous waste criteria. The health-based criterion of 320 milligrams per kilogram (mg/kg) of lead in soil is for protection of the health of a commercial/industrial worker, which is different from a criterion for hazardous waste disposal. Health-risk based criteria are applied to identify exceedances that should be removed or mitigated to protect human health. Hazardous waste criteria are for soil disposal purposes.

3. The response to HERO's Comment #3 is acceptable, but the response is not incorporated into Section 7.2 of this report. This discussion should be added into Section 7.2.

4. HERO does not concur with the response that soil vapor at depths of five feet and 15 feet below ground surface (bgs) are deep for construction activities. However, HERO concurs that the SMP should address construction worker exposures to soil vapor. This discussion was incorporated into Section 10.1.2.

5. The response to HERO's Comment #5 is acceptable.

CONCLUSIONS

Except for the comment pertaining to the commercial/industrial worker and the off-site resident, HERO concurs with the revisions incorporated into the revised Phase II Limited ESA. The minor revisions required to address this comment may be provided in an errata sheet to eliminate having to resubmit the entire report.

Review/Concur by: Shukla Roy-Semmen, Ph.D.
Senior Toxicologist
Southern California Unit Chief
Human and Ecological Risk Office, Cypress Office

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

TO: Chand Sultana, Ph.D.
Project Manager
Site Mitigation Program

FROM: Pete Cooke, PG, CHG
Site Mitigation Program

PROFESSIONAL GEOLOGIST PETE COOKE 7868 STATE OF CALIFORNIA

CERTIFIED HYDROGEOLOGIST PETE COOKE 916 STATE OF CALIFORNIA

REVIEW: Juli Propes, PG, CEG, Supervisor
Site Mitigation Program

DATE: 13 December 2019

SUBJECT: Geologist review of the 3 December 2019 "Revised Limited Phase II Environmental Site Assessment" for the Riverside Downtown Train Station, Riverside

Site Code 401863-11

As requested, the subject document has been reviewed. The following concerns should be addressed.

1. As noted in this geologist's comments on the 23 September 2019 version of the subject report, and as noted in the text of the reports, the detection limits for many analyses were elevated past contaminant screening levels. Contaminants subject to the elevated detection limits include naphthalene, benzo[a]pyrene, benzene, tetrachloroethene, trichloroethene, and vinyl chloride. As such, the results are inadequate. With an abundance of elevated detection limits, characterization of the site remains incomplete. The sampling and analyses performed previously should be repeated while ensuring appropriate detection limits.

2. As noted in this geologist's comments on the 23 September 2019 version of the subject report, soil vapor results for tetrachloroethene indicate an increasing trend in concentrations from the 5' probe depth to the 15' probe depth (this also may have been reflected by other contaminants if lower detection limits had been used). Vertical delineation of soil vapor, and characterization of any remaining source at the property, is recommended.

3. As noted in this geologist's comments on the 23 September 2019 version of the subject report, Section 8, third bullet, discusses the detection of the leak check compound in sample B2-5. The citation of apparently unpublished experiments cannot be endorsed by this department. While the analytical results from this probe may have value even with the detection of the leak check compound, this section should be revised.

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California

Comment No.	DTSC Review Comment	District Response to Comment	Revision Location
General Comments			
1.	These reports consistently refer to EPA's Regional Screening Levels (RSLs). The Toxicity Criteria Rule that was approved on September 4, 2018 stated that in the hierarchy of applicable toxicity criteria, the Office of Environmental Health Hazard Assessment (OEHHA) peer-reviewed toxicity criteria will be the priority (§69021). Furthermore, §69022 states that all human health risk assessments, human health risk- based screening levels, and human health risk-based remediation goals shall protect human health by using the toxicity criteria specified in §69021 (refer to HERO HHRA Note 10, February 2019). Therefore, the EPA RSL may be applied only if there is no available DTSC SL for a specific analyte (DTSC/HERO HHRA Note 3 and Note 10, 2019). Tables 1 to 5A in the Limited Phase II ESA and in the HHRA are identical. While these tables may be useful in the Limited Phase II ESA, the HHRA should provide data tables in a format that is relevant to the HHRA.	References to RSLs have been removed from the HHRA report. Tables 1 through 5 have been revised in a format relevant to the HHRA.	General
Specific Comments –Revised Phase II ESA			
HERO's comments were addressed in the revised 2020 Phase II Environmental Site Assessment by incorporating the following:			
1.	The off-site resident, commercial worker, and construction worker were identified as potential receptors in the conceptual site model (CSM) presented in Figure 3.	General comment noted, the off-site resident, commercial worker, and construction worker were identified as potential receptors in the conceptual site model (CSM) presented in Figure 3.	Figure 3
2.	Section 7.1 compares the arsenic concentrations to the EPA Regional Screening Level (RSL) and to the upper-bound ambient level of 12 mg/kg for Southern California sites (Determination of a Southern California Regional Background Arsenic Concentration, DTSC, 2008). As indicated in the General Comment that cites the Toxicity Criteria Rule, the EPA RSL is applied only when there is no available DTSC screening level (SL). For this assessment, the arsenic concentrations are reported to exceed the corresponding EPA RSL and the upper-bound ambient level of 12 mg/kg.	General comment noted. For this assessment, the arsenic concentrations are reported to exceed the upper-bound ambient level of 12 milligrams per kilogram (mg/kg).	Section 7.1

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California

Comment No.	DTSC Review Comment	District Response to Comment	Revision Location
3.	The revised report incorporated HERO's comment to compare the lead concentrations to the health-based criterion of 320 milligrams per kilogram (mg/kg) of lead in soil.	General comment noted, the revised report incorporated HERO's comment to compare the lead concentrations to the health-based criterion of 320 mg/kg of lead in soil.	Section 7.1
4.	Section 7.7 cites detected concentrations of chloroform, naphthalene, tetrachloroethylene (PCE), and trichloroethylene (TCE), but has a statement that laboratory reporting limits for chloroform, PCE, and TCE in each of the samples exceeded the modified EPA RSL. Table 5 corroborates this statement, but there are also samples with reported concentrations. This section should discuss how the elevated sample quantitation limits (SQLs) were addressed in the assessment.	Section 7.7 has been revised to discuss how the elevated sample quantitation limits (SQLs) were addressed in the assessment with the following statements: Non-detects are reported as the sample quantitation limit (SQL), defined as three times the standard deviation of seven replicate spiked samples handled as environmental samples, corrected for sample dilution and other sample-specific adjustments (EPA, 1991). The elevated SQLs were compared to laboratory method detection limits (MDLs). The MDL is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results (EPA, 2016). The SQL and MDL exceedances were addressed in a HHRA that was performed to evaluate whether man-made chemicals detected in soil and soil vapor at the site represented a threat to future onsite and offsite receptors. The elevated sample quantitation limits (SQLs) were addressed in the "Uncertainty Analysis" section of the HHRA. The HHRA's summary, conclusions and recommendations are provided in Section 11 of this report.	Section 7.7
5.	HERO does not concur with the statement, "Results of the HHRA indicate that exposure to chemical detected in soil could carry a potential cancer risk of no more than three cancer cases in an exposed population of one million people (3E-06)." While such a statement is often made to purportedly simplify the communication of risk, this statement is incorrect. The estimated incremental cancer risk is the increased likelihood of 3 in a million that an individual would develop cancer when exposed to a specific concentration of a contaminant in addition to being exposed to contaminants naturally present in the environment. It does not mean that there will be 3 cancer cases out of a million exposed individuals. A replacement errata sheet may be submitted contingent on approval of the DTSC Project Manager.	The statement that reads "Results of the HHRA indicate that exposure to chemical detected in soil could carry a potential cancer risk of no more than three cancer cases in an exposed population of one million people (3E-06)" will be replaced by statement that reads "The estimated incremental cancer risk is the increased likelihood of 3 in a million that an individual would develop cancer when exposed to site-specific contaminants in addition to being exposed to contaminants naturally present in the environment."	Section 11

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California			
Comment No.	**DTSC Review Comment**	**District Response to Comment**	**Revision Location**
6.	Comments on Tables ≠ Table 1 shows that there are no DTSC commercial/industrial soil screening levels for arsenic and cadmium. This is incorrect. The screening level for arsenic is 0.36 mg/kg, and 780 mg/kg for cadmium (DTSC/HERO HHRA Note 3 - Screening levels, April 2019). Furthermore, the DTSC commercial/industrial soil screening level for beryllium is 230 mg/kg, not 2300 mg/kg.	References to RSLs and other screening levels have been removed from the HHRA report. Table 1 has been revised in a format relevant to the HHRA.	Table 1
	≠ Table 3 incorrectly shows that there are no DTSC soil screening levels for benzene, methylene chloride, and naphthalene.	References to RSLs and other screening levels have been removed from the HHRA report. Table 3 has been revised in a format relevant to the HHRA.	Table 3
Specific Comments – Human Health Risk Assessment (HHRA)			
1.	**Sections 2.4 and 2.5 - Soil Quality and Soil Vapor Quality** Section 2.4 discussed the comparison of soil lead concentrations to the Soluble Threshold Limit Concentration (STLC). This comparison is pertinent to waste characterization, but irrelevant in the evaluation of the effect on blood lead levels. This discussion should be deleted from the HHRA.	The discussion related to comparison of soil lead concentrations to the Soluble Threshold Limit Concentration (STLC) has been deleted from Section 2.4.	Section 2.4
	Section 2.5 discusses analytes in soil vapor with sample quantitation limits (SQLs) that exceed corresponding screening levels (SI s). The last statement indicates that all chemicals detected at the site were included in the HHRA and refers to Tables 1 to 5A. Note that Tables 5 and SA lists volatile organic compounds (VOCs) in soil vapor, but Tables 1 through 4 list metals and non-VOCs. The last statement should be revised for accuracy. Table 5 lists 1O VOCs, but Table 5A lists five VOCs. Please explain why this is inconsistent with the statement that all detected chemicals were included in the HHRA.		Section 2.5

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California			
Comment No.	**DTSC Review Comment**	**District Response to Comment**	**Revision Location**
2.	**Lack of a Discussion on Data Evaluation and Identification of Chemicals of Potential Concern (COPCs)** The first element in a risk assessment is the Data Evaluation and Identification of COPCs. In lieu of duplicating the tables that were presented in the Limited Phase II ESA, the HHRA should present summary tables that lists the analytes, the frequency of each detection, the minimum and maximum detected concentrations or the SQLs for each analyte reported as non-detect, the depth where the maximum concentration was detected, the corresponding screening level, and the rationale for including/excluding an analyte or a sample in the HHRA. Please refer to Tables 1 through 3 in the attachment, which are data tables prepared by HERO. HERO had filled in the necessary information for identifying the COPCs. The remaining information should be filled in to provide some perspective on the results of the HHRA. If the HHRA is evaluating all analytes, including those that were detected only once, then the frequency of detection may be eliminated from Tables 1 and 2 in the attachment.	A Selection of Chemicals of Potential Concern has been added to the HHRA.	Tables 1 and 2
3.	**Section 2.6, Statistical Analysis of Soil Data** Section 2.6 states that the statistical analysis was conducted for arsenic and total petroleum hydrocarbons (TPH) only, and maximum concentrations were used for other chemicals. The exposure point concentrations (EPCs) shown in a revised Table showing the cumulative cancer risk and HI should indicate whether the EPC is the maximum detected concentration, the 95% UCL, or the maximum SQL. Tables 13 and 14 should be deleted. Based on the tables that HERO generated (see Attachment), the COPCs include nine non-volatile organic compounds (VOCs) and four VOCs. This is a much reduced number than what is presented in Tables 10 to 14.	The exposure point concentrations (EPCs) showing the cumulative cancer risk and HI will indicate whether the EPC is the maximum detected concentration, the 95% UCL, or the maximum SQL. Tables 13 and 14 will be deleted.	Section 2.6

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California			
Comment No.	**DTSC Review Comment**	**District Response to Comment**	**Revision Location**
4.	**Section 3.3.2, Vapor Emissions from Volatile Organic Compounds (VOCs) Detected Soil** This section should be revised. In addition to the apparent typographical error, i.e., missing preposition in the highlighted phrase, the second paragraph in this sub-section discusses the concentration of dust-borne particulates based on incorporating a particulate emission factor (PEF). This methodology is pertinent to particulate emissions rather than to volatile emissions.	Ninyo & Moore agrees with the comment. Section 3.3.2 has been revised as requested.	Section 3.3.2
	The third paragraph is pertinent to the calculation of vapor emissions from VOCs detected in soil, but the second to the last statement in same paragraph pertains to the calculation of particulate emissions, i.e., “The PEF is used in this screening evaluation to estimate inhalation exposures to VOCs in soil." This statement is incorrect. The PEF is used to estimate the inhalation exposures to dust-borne non-VOCs in soil. Please refer to equations 3 and 5 of the EPA Soil Screening Guidance. The volatilization factor (VF) is used for estimating the airborne concentrations of emissions from VOCs in soils cited in the HHRA, the VF is calculated by using equation 8 of the EPA Soil Screening Guidance. For clarity, these methodologies should be explained separately or presented as different sections in the HHRA.	Ninyo & Moore agrees with the comment. Section 3.3.2 has been revised as requested.	Section 3.3.2
5.	**Section 3.3.3, page 16** Based on the recommended revisions of the data tables, the cited table numbers should be updated. It should be noted that the current discussion has the following incorrect Table references: ≠ This section incorrectly states that maximum detected soil vapor concentrations under the site are summarized in Table 2. Table 2 is the Soil Sample Analytical Results - TPH. Table 5 shows the VOC analytical results in soil vapor. There is no table showing the maximum VOC concentrations in soil vapor.	Table numbers cited in Section 3.3.3 have been revised based on DTSC comments and suggestions.	Section 3.3.3

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California			
Comment No.	**DTSC Review Comment**	**District Response to Comment**	**Revision Location**
	≠ This section incorrectly states that Table 12 shows all input parameters and equations used in the volatilization modeling, and the maximum VOC flux rates predicted by the Shen model. Table 12 is a summary of cancer risk and HI estimates due to potential exposures of an off-site resident. The correct table is Table 8.	Table numbers cited in Section 3.3.3 have been revised based on DTSC comments and suggestions.	Section 3.3.3
	≠ This section incorrectly refers to Table 12 again for the parameters and outputs of the box model. Table 9 is the correct table.	Table numbers cited in Section 3.3.3 have been revised based on DTSC comments and suggestions.	Section 3.3.3
6.	**Section 5.1 Average Daily Dose / Lifetime Daily Dose** This section should include the equation for estimating the dose due to inhalation, in addition to the presented dose equations for ingestion and dermal exposures.	The equation for estimating the dose due to inhalation has been added to Section 5.1.	Section 5.1
7.	**Table 6 - Exposure Parameters** Inhalation rate should be deleted from this Table. The exposure concentration (EC) for estimating inhalation exposures takes into account the concentration in air, exposure, frequency, and exposure duration. Inhalation rate is not one of the parameters (EPA, RAGS F, Supplemental Guidance for Inhalation Risk Assessment, January 2009).	Inhalation rate has been deleted from Table 6.	Table 6
8.	**Section 5.2 - Non-Carcinogenic Health Hazards** As discussed in Section 4.1, the non-carcinogenic health hazard due to inhalation is based on the reference concentration (RfC) instead of the reference dose (RfD). Therefore, Section 5.2 should also present the equation for calculating the hazard quotient due to inhalation exposures.	Section 5.2 has been revised and the equation for calculating the hazard quotient due to inhalation exposures has been added.	Section 5.2

Response to Department of Toxic Substances Control for Revised Limited Phase II Environmental Site Assessment, Riverside Downtown Metrolink Station, Riverside, California			
Comment No.	**DTSC Review Comment**	**District Response to Comment**	**Revision Location**
9.	**Section 5.4 - Cancer Risk Estimates** Section 4.2 discusses that the cancer risk estimate based on inhalation exposure is based on the inhalation unit risk (IUR) rather than on the slope factor (SF). Therefore, Section 5.4 should present the equation for estimating cancer risk due to inhalation.	Section 5.2 has been revised and the equation for calculating cancer risk due to inhalation exposures has been added.	Section 5.2
10.	**Tables 13 and 14** These tables report the chemical-specific cancer risks and hazard using maximum detection limits of non-detected chemicals in soil and soil vapor, respectively. HERO does not agree with this approach. The tables in the attachment show the maximum SQLs for analytes that are reported as non-detect. The HHRA should present: the cumulative risk and HI using the maximum SQLs of COPCs reported as non-detects due to elevated analytical SQLs. If a COPC with an elevated SQL has a few samples with reported concentrations, the differences in the cumulative risk and HI between using the reported concentration versus the maximum SQL can be discussed in the uncertainty section and/or interpretation of the results of the HHRA. Tables 13 and 14 should be deleted.	Tables 13 and 14 will be retained.	Tables 13 and 14 will be retained.

APPENDIX B

DTSC Work Plan Approval Letter and Other Documentation

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

June 7, 2019

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor
P.O. Box 12008
Riverside, California 92502

TECHNICAL MEMORANDUM WORK PLAN LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT10 APNS ADJACENT TO THE RIVERSIDE DOWNTOWN METROLINK STATION, RIVERSIDE, CALIFORNIA

Dear Mr. Casillas:

The Department of Toxic Control Substances has reviewed the revised Technical Memorandum Work Plan Limited Phase II Environmental Site Assessment (Work Plan) dated May 28, 2019, prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) for the above referenced site (Site). DTSC earlier commented on the Work Plan dated November 2018 and April 2019 in March, April and May 2019. The Work Plan presented the historical operations and the previous Phase I Site Assessment done on the Site. It has also established Phase II Environment Site Assessment Objectives, Site Conceptual Model, Phase II Field Sampling Plan, Procedures and Health & Safety Plan.

Based on the review of the Work Plan, DTSC noted that the comments/concerns are appropriately addressed and hereby approves the Work Plan. Please submit the field work schedule when available. If you have any questions please contact me at (818) 717-6552 or e-mail at chand.sultana@dtsc.ca.gov.

Sincerely,

Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Restoration Program - Chatsworth Office

cc: See next page

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cc: John Jay Roberts, PG, CEG (via e-mail)
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

Department of Toxic Substances Control

Matthew Rodriguez
Acting Secretary for
Environmental Protection

Deborah O. Raphael, Director
9211 Oakdale Avenue
Chatsworth, California 91311

Edmund G. Brown Jr.
Governor

February 20, 2014

Ms. Maribeth Webber
Project Manager
Sempra Energy
555 West Fifth Street, MLGT16G2
Los Angeles, CA 90013-1011

GROUNDWATER WELL AND SOIL GAS PROBE CLOSURE REPORT APPROVAL, FORMER RIVERSIDE MANUFACTURED GAS PLANT, 3084 EAST 10TH STREET, RIVERSIDE, CALIFORNIA

Dear Ms. Webber:

The Department of Toxic Substances Control (DTSC) has reviewed the subject Groundwater Well and Soil Gas Probe Closure Report (Report) for the former Riverside Manufactured Gas Plant (MGP), submitted by Parsons dated September 2013. The Report documents the abandonment of two groundwater monitoring wells and twenty-two soil gas probes at the Site.

DTSC approves the Report as all of the remaining groundwater monitoring wells and soil gas probes have been properly abandoned. Since former MGP related contaminants in groundwater are below a level of concern and all wells properly abandoned no further groundwater work is necessary at the Site.

Thank you for your efforts in remediating this property. If you have any questions, please contact me at (818) 212-5340 or by email at Tedd.Yargeau@dtsc.ca.gov.

Sincerely,

T.E.Y

Tedd Yargeau
Senior Scientist
Manufactured Gas Plant Team – Chatsworth Office

cc: See next page

Printed on Recycled Paper

cc: Mr. Eric Hodder
Environmental Affairs
Southern California Edison
2244 Walnut Grove Avenue
Rosemead, California 91770

CALIFORNIA
Water Boards

GAVIN NEWSOM
GOVERNOR

JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Santa Ana Regional Water Quality Control Board

May 8, 2019

Hector Casillas, SR/WA
Acting Right of Way Manager
Riverside County Transportation Commission
4080 Lemon Street, 3rd Floor
Riverside, CA 92502
(HCasillas@RCTC.org)

POTENTIAL FOR ENVIRONMENTAL LIABILITY CONCERNING PROPERTIES OVERLYING DOWNTOWN RIVERSIDE CONTAMINANT PLUME (GLOBAL ID# SLT8R0373922)

Dear Mr. Casillas:

This is in response to the April 17, 2019 e-mail request to Nick Amini of our staff, requesting our general policies and approach for establishing liability for owners of the subject site (the Property), which consists of several improved tracts of land totaling approximately 7.15 acres, in the City of Riverside, Riverside County, California. Its Assessor Parcel Numbers are 211-201-004, 005, 006, 007, 008, 026, 037, 038 and 039. The attached maps depict the location of the parcels (Attachments 1 and 2).

We sent a response similar to this letter in March 2017 for Mad Atom Properties, LLC. It is our understanding that the Property was subsequently acquired by the Riverside County Transportation Commission.

The Property overlies a volatile organic compounds (VOCs) and nitrate groundwater contaminant plume commonly known as the Downtown Riverside/Riverside Plume. In the early 1980s, VOCs were detected in several emergency supply wells owned and operated by the City of Riverside in proximity to the Property. Several investigations, including soil and groundwater studies, were conducted at the Property in the early 1990s by the then-owner, FMC Corporation, in order to determine the probable source of the VOCs found in groundwater in the immediate area. The available technical data obtained from the investigations did not provide sufficient information to consider the FMC Corporation as the primary responsible party for the VOC-impacted wells. No responsible party has been identified, and the Santa Ana Regional Water Board currently has no ability to obtain investigation and cleanup of the groundwater contaminant plume; therefore, the FMC case has been reclassified as "open-inactive" in the State Water Resources Control Board's GeoTracker database.

The Property was used for gas production and distribution by Riverside Manufactured Gas Plant (MGP), Edison Electric Company, Southern California Edison Company and The Gas Company, from 1887 to 1911. From 1911 to 1959, a section of the subject site was used by The Gas Company as a natural gas storage facility. In the 1930s, Riverside Foundry and Machine Works operated a foundry at the south section of the Property. FMC bought the majority of the Property, and handled waste oil and solvents until the early 1980s. During FMC ownership, operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft. Since the mid-1980s, portions of the Property were owned and operated by both the Royal and Wolverine Western corporations. The Wolverine Western Corporation was a manufacturer of fruit packaging machinery and associated parts. Royal Corporation operated a citrus packinghouse.

Between July 2010 and February 2011, extensive soil excavation and removal in the former gas plant and gas storage areas at the Property was conducted by The Gas Company's environmental consultant. The excavation depths for the remediation at the Property varied between 2 feet below ground surface (bgs) in shallow impacted areas and 52 feet bgs in the deep total recoverable petroleum hydrocarbons (TRPH) impacted area. The total quantity of soil removed during the remediation was approximately 45,042 tons of non-hazardous TRPH- impacted soils. Approximately 26 tons of non-hazardous lead-impacted soils and 131 tons of non-hazardous tar-impacted soils were disposed of at a class II waste management facility.

Based on the completion of soil excavation and the results of the post-remediation monitoring, Regional Water Board staff believes that, in the event that the Property is redeveloped in the future for residential purposes, some form of vapor mitigation measures (such as a sub-surface vapor barrier system) would be necessary to address chlorinated VOCs in soil gas (i.e. tetrachloroethene and trichloroethene) that are not attributable to MGP, due to potential cancer risks associated with the vapor intrusion pathway. Regional Water Board staff does not believe that additional restrictions with regard to potential exposure via the vapor intrusion pathway would be necessary for either current or future commercial/industrial use of the Property.

According to the City of Riverside Water Operations staff, two of the supply wells owned by the City in the proximity of the former FMC Corporation are used for irrigation supply via discharge to the Riverside Irrigation Canal. These wells have historically been used for irrigation purposes in the past 20 years.

It has been the practice of the Regional Water Board to identify owners and operators of properties who either caused or contributed to the associated contamination as the parties responsible for assessment, monitoring and cleanup of such properties. Although the Regional Water Board has statutory authority to do so, as a matter of general policy, the Regional Water Board does not typically pursue site mitigation enforcement against owners and/or operators of a particular site if:

- They do not exacerbate or contribute to the existing pollution;

- Their operations at the site will not result in health risks to persons on the site;
- They are not responsible for, or affiliated with any party who is identified as responsible for, creating or allowing the existing contamination;
- They cooperate with ongoing cleanup efforts by allowing all necessary site access;
- They take all reasonable steps to prevent unauthorized disposal on the site; and
- There are other viable responsible parties who are willing and able to conduct any necessary remediation.

Additionally, we recommend that subsequent property owners and/or operators avoid the use of any substances of concern at the site in the future, in order to ensure that no questions arise regarding the contribution to, or exacerbation of, the existing condition.

Accordingly, based on the available information related to the Property, the Regional Water Board would generally not order the current or future owners of the Property as parties responsible for remediating the contamination that exists on and under the Property. The Regional Water Board does expect full cooperation by the former, current and any prospective owners of the Property in the form of reasonable site access to conduct any necessary testing, monitoring or cleanup by the parties responsible for the soil and groundwater contamination beneath the Property.

The determination that Riverside County Transportation Agency and its prospective buyers, tenants or subtenants of the Property will not, at this time, be held responsible for the investigation and cleanup of the Property is based on the information and data currently available to the Regional Water Board. In the event that new information is received that supports another conclusion, this determination is subject to change.

If you have any questions, please contact the Chief of our Site Cleanup Program, Nick Amini, at (951) 782-7958 or by e-mail: nick.amini@waterboards.ca.gov.

Sincerely,

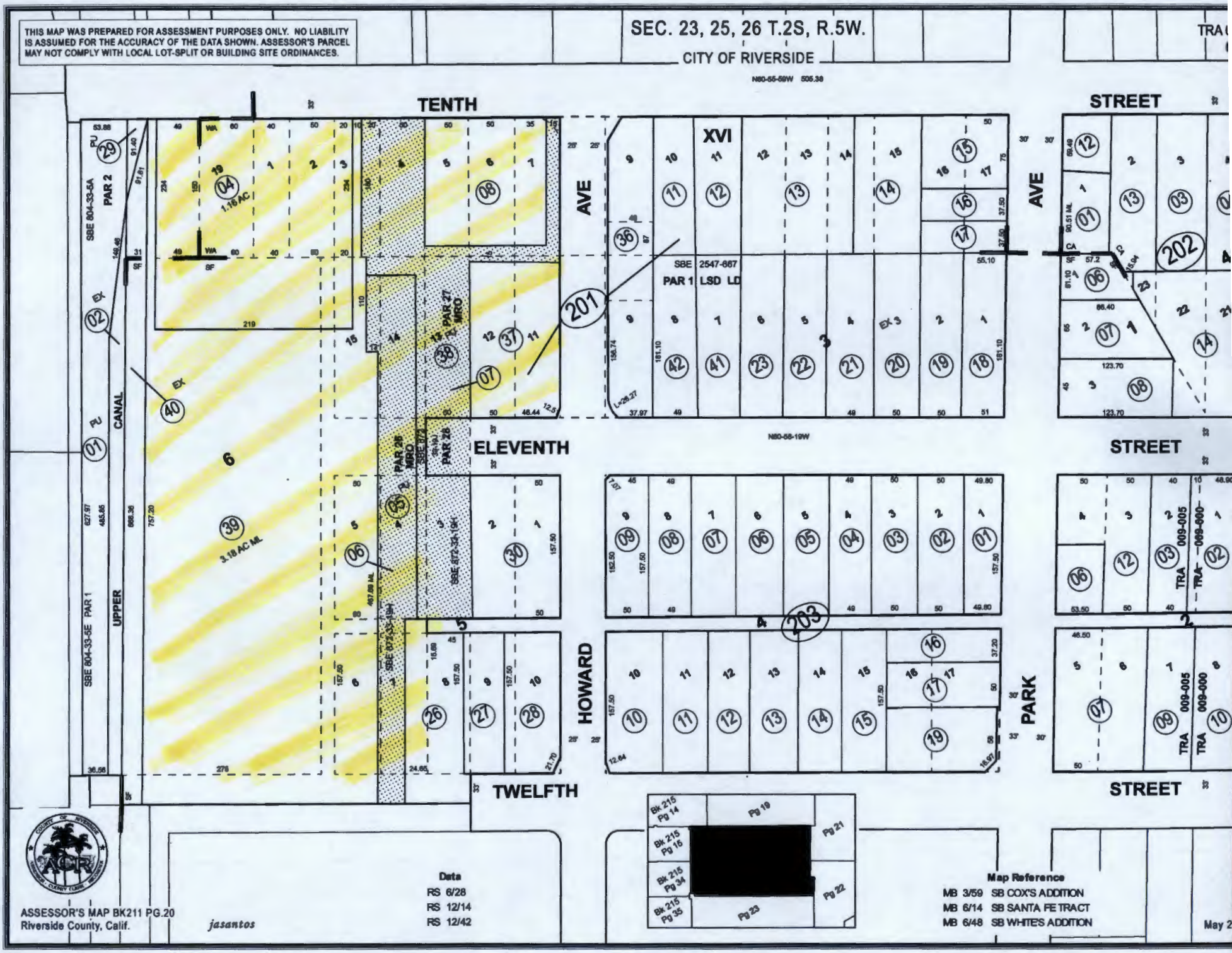
Hope Smythe

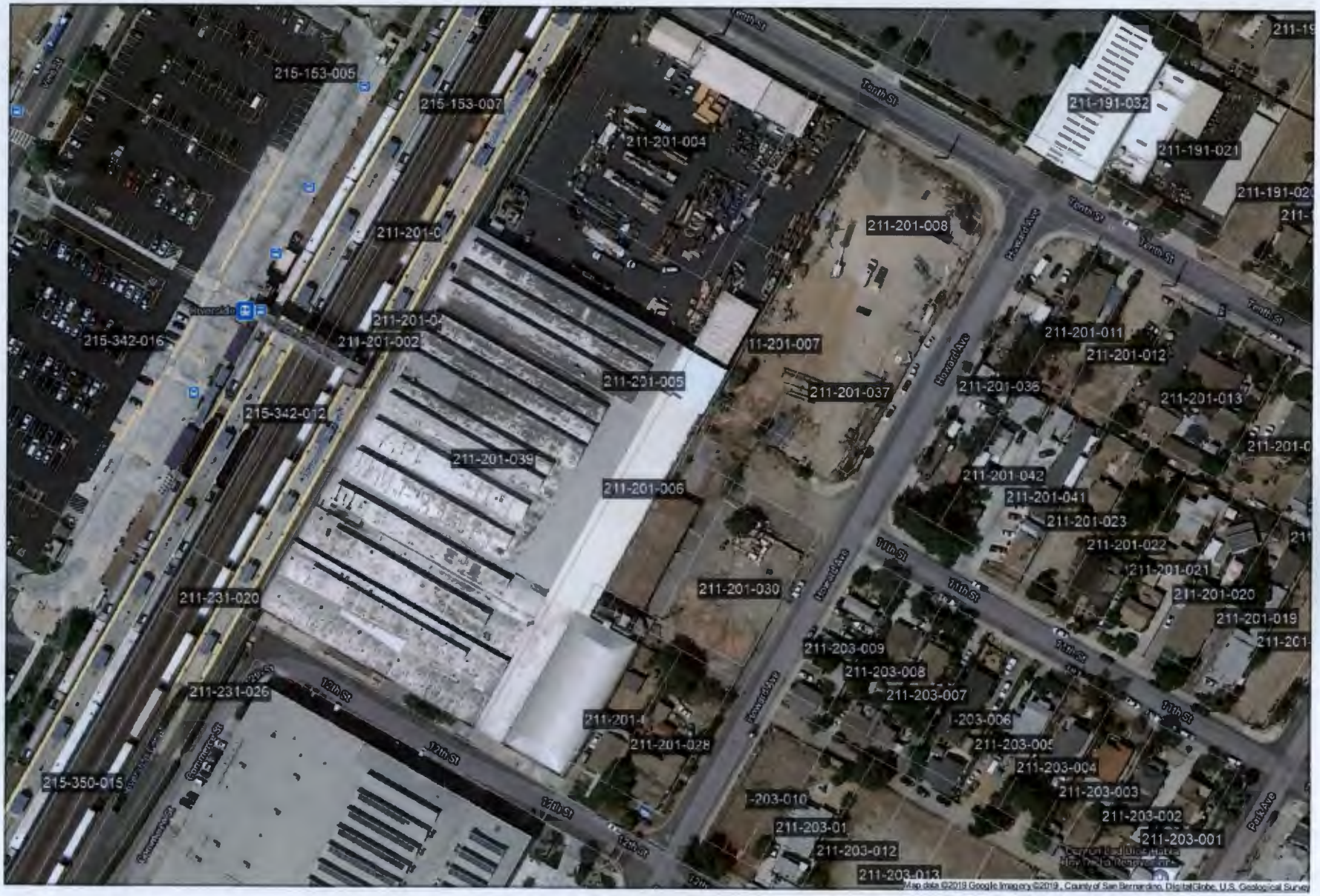
Hope A. Smythe
Executive Officer

Attachments: 1. Assessor's Map BK211-PG20
2. Areal Map showing Parcel numbers

cc: Jay Roberts – Ninyo & Moore (jroberts@ninyoandmoore.com)

H:/NAmini/Miscellenaous/RCTC_Comfort Letter_050819


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCEL MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.
SEC. 23, 25, 26 T.2S, R.5W.
CITY OF RIVERSIDE
TENTH
STREET
XVI
AVE
ELEVENTH
STREET
HOWARD
PARK
TWELFTH
STREET
UPPER
CANAL
SBE 804-33-5A PAR 2
SBE 804-33-5E PAR 1
SBE 2547-667 PAR 1 LSD LD
PAR 27 MRO
PAR 28 MRO
PAR 28
1.16 AC
3.18 AC ML
N80-55-59W 505.38
N80-58-19W
Data
RS 6/28
RS 12/14
RS 12/42
Map Reference
MB 3/59 SB COX'S ADDITION
MB 6/14 SB SANTA FE TRACT
MB 6/48 SB WHITE'S ADDITION
ASSESSOR'S MAP BK211 PG.20
Riverside County, Calif.
jasantos


215-153-005
215-153-007
211-201-004
211-191-032
211-191-021
211-201-008
211-201-0
211-201-04
211-201-002
215-342-016
11-201-007
211-201-011
211-201-012
211-201-005
211-201-037
211-201-036
211-201-013
215-342-012
211-201-039
211-201-006
211-201-042
211-201-041
211-201-023
211-201-022
211-201-021
211-201-030
211-201-020
211-201-019
211-231-020
211-203-009
211-203-008
211-203-007
211-231-026
211-201-028
211-203-004
211-203-003
211-203-002
211-203-001
211-203-012
211-203-013
215-350-015
Tenth St
Howard Ave
11th St
12th St
Park Ave
Map data ©2019 Google Imagery ©2019 , County of San Bernardino, DigitalGlobe, U.S. Geological Survey

APPENDIX C

Boring Logs

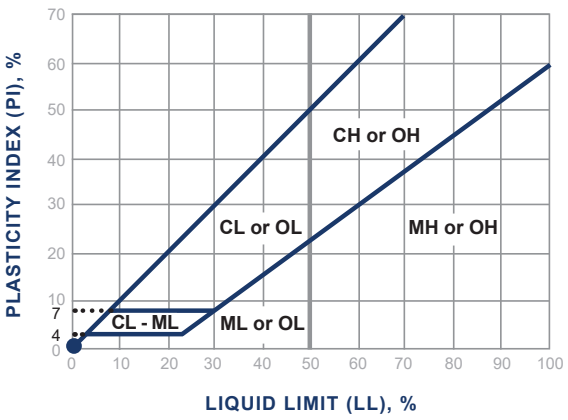
Soil Classification Chart Per ASTM D 2488

Primary Divisions			Secondary Divisions	
			Group Symbol	Group Name
COARSE-GRAINED SOILS more than 50% retained on No. 200 sieve	**GRAVEL** more than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVEL less than 5% fines	GW	well-graded GRAVEL
			GP	poorly graded GRAVEL
		GRAVEL with DUAL CLASSIFICATIONS 5% to 12% fines	GW-GM	well-graded GRAVEL with silt
			GP-GM	poorly graded GRAVEL with silt
			GW-GC	well-graded GRAVEL with clay
			GP-GC	poorly graded GRAVEL with
		GRAVEL with FINES more than 12% fines	GM	silty GRAVEL
			GC	clayey GRAVEL
			GC-GM	silty, clayey GRAVEL
	SAND 50% or more of coarse fraction passes No. 4 sieve	CLEAN SAND less than 5% fines	SW	well-graded SAND
			SP	poorly graded SAND
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines	SW-SM	well-graded SAND with silt
			SP-SM	poorly graded SAND with silt
			SW-SC	well-graded SAND with clay
			SP-SC	poorly graded SAND with clay
		SAND with FINES more than 12% fines	SM	silty SAND
			SC	clayey SAND
			SC-SM	silty, clayey SAND
FINE-GRAINED SOILS 50% or more passes No. 200 sieve	**SILT and CLAY** liquid limit less than 50%	INORGANIC	CL	lean CLAY
			ML	SILT
			CL-ML	silty CLAY
		ORGANIC	OL (PI > 4)	organic CLAY
			OL (PI < 4)	organic SILT
	SILT and CLAY liquid limit 50% or more	INORGANIC	CH	fat CLAY
			MH	elastic SILT
		ORGANIC	OH (plots on or above "A"-line)	organic CLAY
			OH (plots below "A"-line)	organic SILT
	Highly Organic Soils		PT	Peat

Grain Size

Description		Sieve Size	Grain Size	Approximate Size
Boulders		> 12"	> 12"	Larger than basketball-sized
Cobbles		3 - 12"	3 - 12"	Fist-sized to basketball-sized
Gravel	Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	Fine	#4 - 3/4"	0.19 - 0.75"	Pea-sized to thumb-sized
Sand	Coarse	#10 - #4	0.079 - 0.19"	Rock-salt-sized to pea-sized
	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to rock-salt-sized
	Fine	#200 - #40	0.0029 - 0.017"	Flour-sized to sugar-sized
Fines		Passing #200	< 0.0029"	Flour-sized and smaller

Plasticity Chart



Apparent Density - Coarse-Grained Soil

Apparent Density	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5
Loose	5 - 10	9 - 21	4 - 7	6 - 14
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42
Dense	31 - 50	64 - 105	21 - 33	43 - 70
Very Dense	> 50	> 105	> 33	> 70

Consistency - Fine-Grained Soil

Consis-tency	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Soft	< 2	< 3	< 1	< 2
Soft	2 - 4	3 - 5	1 - 3	2 - 3
Firm	5 - 8	6 - 10	4 - 5	4 - 6
Stiff	9 - 15	11 - 20	6 - 10	7 - 13
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26
Hard	> 30	> 39	> 20	> 26

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Geotechnical & Environmental Sciences Consultants

USCS METHOD OF SOIL CLASSIFICATION

BORING LOG EXPLANATION SHEET

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	
0	■							Bulk sample.
		■						Modified split-barrel drive sampler.
		☒						No recovery with modified split-barrel drive sampler.
		▬						Sample retained by others.
		◤						Standard Penetration Test (SPT).
5		◥						No recovery with a SPT.
		▯	XX/XX					Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.
		◥						No recovery with Shelby tube sampler.
		▥						Continuous Push Sample.
				♀				Seepage.
10				▽				Groundwater encountered during drilling.
				▼				Groundwater measured after drilling.
						▦	SM	MAJOR MATERIAL TYPE (SOIL): Solid line denotes unit change.
						▨	CL	Dashed line denotes material change.
15								Attitudes: Strike/Dip b: Bedding c: Contact j: Joint f: Fracture F: Fault cs: Clay Seam s: Shear bss: Basal Slide Surface sf: Shear Fracture sz: Shear Zone sbs: Shear Bedding Surface
20								The total depth line is a solid line that is drawn at the bottom of the boring.

DATE DRILLED 7/18/19 BORING NO. B1

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0658	B1-0.5'/ DUP-1	1.0			SM	ASPHALT: Approximately 1 inch thick. ALLUVIUM: Brown, damp, medium dense, silty SAND.
		■	0714	B1-5'	1.0				
10		■	0716	B1-10'	0.8				
								SP	Medium brown, damp, loose, poorly graded SAND.
		■	0718	B1-15'	0.8				
								SM	Medium brown, damp, medium dense, silty SAND.
20		■	0722	B1-20'	1.1				
		■	0728	B1-25'	1.1				Dry.
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs. Capped with cold-set asphalt to match surrounding material.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

FIGURE C- 1

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

RCTC RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

DATE DRILLED 7/18/19 BORING NO. B2

GROUND ELEVATION 873' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0810	B2-0.5'	0.8			ML	CONCRETE: Approximately 6 inches thick. FILL: Dark brown/black, damp, soft, sandy SILT.
		■	0821	B2-5'	0.8			ML	ALLUVIUM: Medium brown, damp, firm, sandy SILT.
10		■	0828	B2-10'	1.0				Dry.
		■	0831	B2-15'	1.2				
20		■	0835	B2-20'	1.2				
		■	0838	B2-25'	1.3				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 15.5 feet and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, 25 to 15.5 feet bgs. Capped with plastic cap.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B3

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1000	B3-0.5'	0.9			SM	ASPHALT: Approximately 2 inches thick. FILL: Dark brown, damp, loose, silty SAND.
		■	1008	B3-5'	0.5			SM	ALLUVIUM: Medium brown, damp, medium dense, silty SAND.
10		■	1012	B3-10'	1.1				
		■	1017	B3-15'	0.6				Dry.
20		■	1023	B3-20'	0.6				
		■	1028	B3-25'	0.2				
30									Total Depth - 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs. Capped with cold-set asphalt to match surrounding material.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B4

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.0' (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0		■	1130	B4-0.5'/ DUP-2	0.9			SM	GRAVEL: Approximately 1 inch thick. FILL: Dark brown, damp, loose, silty SAND.
									Total Depth = 4 feet bgs (Refusal). Groundwater was not encountered during drilling. Backfilled with original material on 7/18/19.
10									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
20									
30									
40									

FIGURE C- 4

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

RCTC RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

DATE DRILLED 7/18/19 BORING NO. B4A

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1325	B4A-0.5'	1.0			SM	CONCRETE: Approximately 4 inches thick.
									FILL: Medium brown, dry, loose, silty SAND.
		■	1330	B4A-5'	2.2				
								ML	Medium brown, damp, soft, SILT.
10		■	1334	B4A-10'	1.4				
		■	1338	B4A-15'	1.0				Brick dust.
20		■	1342	B4A-20'	2.6				Black stained.
								SP	ALLUVIUM: Reddish dry, loose, poorly graded SAND.
		■	1345	B4A-25'	1.0				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 feet to 15.5 feet bgs. Capped with metal plate.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B5

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 1.5 feet thick.
	■		1156	B5-2'	0.9			SM	FILL: Light brown, dry, loose, silty SAND; some concrete dust from breaking through slab. Reddish brown.
		■	1203	B5-5'	0.3				
10		■	1207	B5-10'	0.7				
		■	1212	B5-15'	1.3				Black.
								SP	ALLUVIUM: Reddish, dry, loose, poorly graded SAND.
20		■	1215	B5-20'	0.8				
		■	1219	B5-25'	0.4				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs. Capped with metal plate.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/17/19 BORING NO. B6

GROUND ELEVATION 867' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push to 25' (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1506	B6-0.5'	1.5			SM	FILL: Medium brown, dry, loose, silty SAND; few gravel.
		■	1520	B6-5'	2.3			ML	ALLUVIUM: Reddish brown, dry, soft, SILT.
10		■	1524	B6-10'	1.9				
		■	1528	B6-15'	2.5			SP	Medium brown, dry, loose, poorly graded SAND.
20		■	1530	B6-20'	0.6				
		■	1535	B6-25'	1.5				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 feet bgs to surface; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/17/19 BORING NO. B7

GROUND ELEVATION 866' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1353	B7-0.5'	3.8			SM	FILL: Medium brown, dry, loose, silty SAND.
		■	1410	B7-5'	0.3			ML	ALLUVIUM: Light brown, dry, soft, SILT.
10		■	1420	B7-10'	2.2			SM	Medium brown, dry, loose, silty SAND.
		■	1423	B7-15'	1.2				
20		■	1426	B7-20'	0.4				Reddish brown.
		■	1430	B7-25'	0.8				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, and 1.0 feet bgs to surface; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/17/19 BORING NO. B8

GROUND ELEVATION 867' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1256	B8-0.5'	4.6			SM	FILL: Medium brown, dry, loose, silty SAND. Dark brown.
		■	1315	B8-5'	1.4			SM	ALLUVIUM: Light brown, dry, medium dense, silty SAND.
10		■	1323	B8-10'	1.9				
		■	1325	B8-15'	3.2				Reddish brown.
20		■	1327	B8-20'	3.3				
		■	1330	B8-25'	1.8				Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 feet bgs to surface; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs.
30									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 9

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

RCTC RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

DATE DRILLED 7/19/19 BORING NO. B9

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0735	B9-0.5'	0.7			ML	CEMENT: Approximately 5 inches thick. ALLUVIUM: Reddish brown, damp, soft, SILT.
		■	0750	B9-5'	0.4				
								SM	Reddish yellow, damp, medium dense, silty SAND.
10		■	0754	B9-10'	0.4				
		■	0757	B9-15'	0.5				
								SW	Reddish yellow, damp, loose, well graded SAND.
20		■	0801	B9-20'	0.6				
		■	0808	B9-25'	0.5				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs. Capped with metal cap.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/19/19 BORING NO. B10

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0823	B10-0.5	0.5			ML	CONCRETE: Approximately 4 inches thick. ALLUVIUM: Medium brown, dry, soft, SILT.
		■	0830	B10-5'	0.5				
10		■	0835	B10-10'	0.5				
								SM	Reddish yellow, damp, loose, silty SAND.
		■	0837	B10-15'	0.3				
								SW	Reddish yellow, damp, loose, well graded SAND.
20		■	0839	B10-20'	0.4				
								SM	Reddish yellow, damp, loose, silty SAND.
		■	0847	B10-25'	0.4				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs. Capped with metal cap.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/19/19 BORING NO. B11

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY DWF/AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0930	B11-0.5'	0.4			ML	CONCRETE: Approximately 4 inches thick.
								ML	FILL: Reddish, dry, soft, SILT.
									CONCRETE: Approximately 2 inches thick.
		■	0945	B11-5'	0.3				ALLUVIUM: Reddish brown, damp, soft, SILT.
								SM	Reddish yellow, dry, loose, silty SAND.
10		■	0949	B11-10'	0.3				
								SP	Reddish gray, dry, loose, poorly graded SAND.
		■	0955	B11-15'	0.4				
								SM	Reddish yellow, dry, loose, silty SAND.
20		■	0958	B11-20'/ DUP-4	0.5				
								ML	Reddish brown, dry, soft, SILT.
		■	1003	B11-25'	0.3				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 14.5 to 13.5 feet bgs and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs. Capped with a metal plate.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

FIGURE C- 12

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

RCTC RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

DATE DRILLED 7/19/19 BORING NO. B12

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY AUC/DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			1045	B12-0.5'	0.6			ML	CONCRETE: Approximately 5 inches thick. FILL: Reddish brown, damp, soft, SILT.
		■	1051	B12-5'	0.3				
								SM	Reddish yellow, dry, loose, silty SAND.
10		■	1058	B12-10'	0.2				
								SP	Reddish gray, damp, loose, poorly graded SAND.
		■	1108	B12-15'	0.4				
20		■	1145	B12-20'	0.7				Gray.
30									
40									

Total Depth = 20 feet bgs (Refusal).
Groundwater was not encountered during drilling.
Backfilled with hydrated bentonite on 7/19/19.

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B13

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY DWF LOGGED BY DWF REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1420	B13-0.5'	1.6			SM	CONCRETE: Approximately 6 inches thick.
	■		1422	B13-1'	1.5				
	■		1424	B13-2'	1.0			ML	FILL: Light brown, dry, medium dense, silty SAND.
									ALLUVIUM: Reddish brown, dry, soft, sandy SILT.
	■		1430	B13-5'	0.9				
10									
20									
30									
40									

Total Depth = 5 feet.
Groundwater was not encountered during drilling.
Soil vapor probes installed at 4.5 feet.
Backfilled with No. 3 sand at 5 to 4 feet bgs; dry bentonite at 4 to 3 feet bgs; and hydrated bentonite at 3 to .5 feet bgs. Capped with sand and PVC cap.

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B14

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY DWF LOGGED BY DWF REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 9 inches thick.
	■		1355	B14-0.5'	0.7			SM	FILL: Brown, dry, medium dense, silty SAND. Light brown.
	■		1358	B14-1'/ DUP-3	0.6				
	■		1400	B14-2'	0.6			CL	
									ALLUVIUM: Reddish brown, damp, soft, sandy CLAY.
	■		1405	B14-5'	0.6				
10									
20									
30									
40									

Total Depth = 5 feet bgs.
Groundwater was not encountered during drilling.
Soil vapor probe at 4.5 feet bgs.
Backfilled with No. 3 sand at 5 to 4 feet bgs; dry bentonite at 4 to 3 feet bgs; and hydrated bentonite at 3 to 0.5 feet bgs.
Capped with sand and PVC cap.

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B15

GROUND ELEVATION 872' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY DWF LOGGED BY DWF REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■			B15-0.5'	0.6			SM	CONCRETE: Approximately 5 inches thick.
	■			B15-1'	1.0				
	■			B15-2'	0.9			CL	FILL: Brown, dry, medium dense, silty SAND.
									ALLUVIUM: Reddish brown, damp, soft, sandy CLAY.
	■			B15-5'	0.7				
10									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probe installed at 4.5 feet bgs. Backfilled with No. 3 sand at 5 to 4 feet bgs; dry bentonite at 4 to 3 feet bgs; and hydrated bentonite at 3 to 0.5 feet bgs. Capped with sand and PVC cap.
20									
30									
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/17/19 BORING NO. B16

GROUND ELEVATION 865' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push to 25' (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY AUC/DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1100	B16-0.5'	3.0			SM	ASPHALT: Approximately 3.5 inches thick. ALLUVIUM: Dark brown, dry, soft, sandy SILT.
								ML	Reddish brown, moist, soft, SILT.
		■	1106	B16-5'	2.0				
10		■	1112	B16-10'	1.8				
								SM	Reddish brown, moist, loose, silty SAND.
		■	1115	B16-15'	2.8				
20		■	1117	B16-20'	2.0				
		■	1121	B16-25'	2.2			GW	Gray, dry, loose, well graded GRAVEL.
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 feet bgs to surface; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/17/19 BORING NO. B17

GROUND ELEVATION 868' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY AUC/DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0942	B17-0.5'	15.0			ML	FILL: Reddish brown, dry, soft, SILT; faint gasoline smell.
								GW	Gray, dry, very loose, well graded GRAVEL.
								ML	ALLUVIUM: Reddish brown, moist, soft, SILT; faint gasoline smell.
		■	0955	B17-5'	4.0				
								SM	Reddish brown, moist, loose, silty SAND.
10		■	1006	B17-10'	4.2				
		■	1014	B17-15'	5.8				
20		■	1020	B17-20'	3.8				
		■	1025	B17-25'	4.8				
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 feet bgs to surface; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/17/19 BORING NO. B18

GROUND ELEVATION 864' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4.5'; 6620 DT Direct Push to 25' (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY AUC/DWF LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		0830	B18-0.5'	3.9			ML	GRAVEL: Approximately 1 inch thick. ALLUVIUM: Reddish brown, moist, very soft, SILT; strong gasoline smell.
		■	0850	B18-5'	454				
10		■	0852	B18-10'	313				
		■	0854	B18-15'	307				
								SP	Medium brown, dry, loose, poorly graded SAND; slight gasoline smell.
20		■	0857	B18-20'	4.2				
		■	0900	B18-25'	398			CL-ML	Reddish brown, moist, stiff, silty CLAY; strong gasoline smell.
30									Total Depth = 25 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at 5 and 15 feet bgs. Backfilled with No. 3 sand at 15.5 to 14.5 feet bgs, 5.5 to 4.5 feet bgs, and 1.0 feet bgs to surface; dry bentonite at 14.5 to 13.5 feet bgs, and 4.5 to 3.5 feet bgs; hydrated bentonite at 13.5 to 5.5 feet bgs, 3.5 to 1.0 feet bgs, and 25 to 15.5 feet bgs.
40									

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 7/18/19 BORING NO. B19

GROUND ELEVATION 875' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 5' (Strongarm)

DRIVE WEIGHT - DROP -

SAMPLED BY AUC LOGGED BY AUC REVIEWED BY JJR

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		1410	B19-0.5'	0.4			SM	ASPHALT: Approximately 1.5 inches thick.
	■		1412	B19-1'	0.6				
	■		1417	B19-2'	0.5				FILL: Light brown, dry, loose, silty SAND.
								SM	ASPHALT: Approximately 1 inch thick; sand size grains.
	■		1422	B19-5'	0.7				FILL: Medium brown/red, damp, loose, silty SAND.
10									
20									
30									
40									

Total Depth = 5 feet bgs.
Groundwater was not encountered during drilling.
Soil vapor probe installed at 5 feet bgs.
Backfilled with No. 3 sand at 5.0 to 4.5 feet bgs, and 1.0 to 0.5 feet bgs; dry bentonite at 4.5 to 3.5 feet bgs; hydrated bentonite at 3.5 to 1.0 feet bgs.
Capped with cold-set asphalt to match the surrounding surface.

Notes:
Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.

The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

APPENDIX D

Field Procedures

APPENDIX D

FIELD PROCEDURES

Hand Auger Soil Sampling Procedures

A hand-auger bucket is attached to an extension rod and “T” handle using threaded nuts or locking pins. If concrete was present, the location was cored prior to hand augering. The auger was advanced into the soil by hand while simultaneously rotating and putting downward pressure on the T-handle. The bucket was retrieved periodically (typically every 3 to 5 inches).

Soil cuttings were profiled and disposed in accordance with the Soil Classification and Investigative Derived Waste Standard Operating Procedures.

Direct-Push Soil Sampling Procedures

Prior to advancing soil borings, the proposed locations for boreholes were hand-augered to approximately 5 feet bgs to clear utilities. Drilling services were provided by a State-licensed drilling contractor. The direct-push rig consists of a van or pick-up truck-mounted hydraulic ram/pneumatic hammer system which pushes 4-foot-long, 1¼-inch-diameter rods. Soil samples are collected by attaching a 2- or 4-foot-long, 1.6- or 2-inch-diameter, stainless steel core sample or macro-core sampler containing brass or acetate sleeves to the bottom of the rods.

The probe-drive sampler consists of the sampler, sample tube, a piston tip attached to a piston rod, a drive head, and a piston stop pin. The sample tubes are placed in the sampler. The piston tip and attached piston rod are placed into the sampler from the bottom. The drive head is then screwed onto the top of the sampler. The piston stop-pin is screwed into the top of the drive head. The sampler is then attached to the 1-inch drive rods.

Undisturbed soil samples are collected by driving the sampler and rods to the target depth. The piston stop pin keeps the piston tip and rod from rising into the sampler. Subsequently, the probe-drive sampler remains sealed while it is pushed or driven to the desired sampling depth. Once the target depth is reached, the piston stop-pin is removed by means of extension rods inserted down the inside diameter of the probe rods. The sampler is then pushed approximately 24 inches. As the sampler is pushed down, the piston tip and rod rise in the sampler on top of the intruding soil. The rods and sampler are then retrieved. The sampler is disassembled, the sample tubes removed for sample logging, identification, and analysis, and the apparatus decontaminated prior to reuse.

The macro-core sampler consists of the sampler, cutting shoe, point assembly, drive head, sample sleeve, and (optional) sand catcher. Once assembled, the point assembly is placed in the cutting shoe and locked in place. The sample is then driven to the target depth. The point assembly is unlocked using extension rods lowered through the drive rods. The sampler is then driven another 4 feet. The sampler and drive rods are then retrieved, the sampler disassembled, and the sample tube removed for sample logging, identification and analysis. The apparatus is then decontaminated prior to reuse.

On retrieval, the sample sleeve containing the soil samples were removed from the sampler, cut to the desired sample length, capped with Teflon sheeting, and sealed with polyethylene end caps. The sample tube was labeled with the project number, sample number, sample depth, collection date and time, and sampler's initials. The soil samples were placed in sealable plastic bags and stored in a cooler chilled using ice to a temperature of approximately 4 degrees Celsius. [These samples were used for chemical analysis, with the exception of VOCs and TPHg.]

Soil Classification

Soil cuttings, the remaining sleeves were examined and logged. Soil characterization information, including soil type (e.g., fill, native soil, or bedrock) were recorded on boring logs in accordance with the Unified Soil Classification System (USCS). Soil descriptions, sample type and depth, texture, color, density or consistency, odor, an estimate of soil moisture content, and related drilling information were recorded in general accordance on boring logs. Boring logs were reviewed by a Ninyo & Moore California licensed Professional Geologist.

Soil Sample Screening for Volatile Organic Compounds (VOCs)

A portion of the collected soil cores was placed in a zip-lock type plastic bag, sealed, and disaggregated. The bag was then shaken to allow trapped vapors to escape from the soil into the head space. Organic vapor concentrations are monitored by inserting the MiniRAE PID probe into the head space above the soil. The MiniRAE PID was calibrated at least once daily during field activities.

Calibration of the MiniRAE is a two-step process. The first step is "fresh air" calibration. This procedure determines the zero point of the sensor calibration curve. The second step is span calibration, which determines the second point of the sensor calibration curve for the sensor.

Fresh air is clean dry air without any organic impurities. Ambient air can also be used. If low concentrations of organic impurities are suspected in ambient air, a charcoal filter should be attached to the MiniRAE during the fresh air calibration phase. A span gas, containing a known

concentration of ionizable gas or vapor, is used to set the sensitivity. Isobutylene at 100 parts per million in air was used as the span gas.

United States Environmental Protection Agency (EPA) 5035 Soil Sampling Procedures

If a soil sample was to be analyzed for VOC, the sample was collected in accordance with EPA Method 5035 and following the Department of Toxic Substances Control (DTSC) Method 5035 Guidance Document, dated November, 2004.

The sample in the sleeve was used for the EPA Method 5035 sample preservation. An Encore™ or plastic syringe was used to collect three samples of approximately 5 grams of soil from the sample. If using the plastic syringe, two of the 5-gram soil samples are ejected into two pre-weighed, laboratory supplied, 40-milliliter volatile organic analysis (VOA) vials containing sodium bisulfate preservative and one 5-gram soil sample is ejected into a 40-milliliter VOA vile containing methanol. A new Encore™ or syringe was used for each sampling interval.

A sample label was placed on the Encore™ bag or VOA vials with the sample number, location, and date recorded on the label. The Encore™ bags or VOA vials are placed in a zip-lock bag. Encore™ or VOA vials collected at a specific sample location and depth were placed in one zip-lock bag. The zip-lock bag and its contents were stored in a cooler chilled using ice to a temperature of approximately 4 degrees Celsius.

Soil Vapor Probes Installation

Vapor probes were constructed using a stainless steel soil gas sampling probe attached to ¼-inch Teflon® sample tubing extending to approximately one foot above the ground surface, in general accordance with the joint DTSC/RWQCB Advisory – Active Soil Gas Investigations ("Soil Gas Advisory"), dated July 2015. The vapor probes were installed at approximate depths of 5 and 15 feet bgs. Borings deeper than 15 feet were backfilled tremied, hydrated granular bentonite to a depth of approximately 15.5 feet. A soil vapor probe was constructed at 15 feet bgs, after which the boring was backfilled with an additional six vertical inches of Monterey or similar type sand. The boring was then backfilled with hydrated, granular bentonite to approximately 5.5 feet bgs, followed by Monterey or similar sand to 5 feet bgs. A second soil gas probe was installed at approximately 5 feet, after which the boring was backfilled with Monterey or similar type sand to 4.5 feet bgs, followed by hydrated, granular bentonite seal to top of soil to reduce the potential for ambient air infiltration. A polyvinyl chloride (PVC) pipe was used to guide the soil gas probe into the boring and temporarily hold the probe in the center of the boring while the sand pack (#3 Monterey Sand) was installed from approximately 15.5 to 14.5 feet bgs and from 5.5 feet bgs to

4.5 feet bgs. The ends of both Teflon sampling tubes extended approximately one foot above ground and were capped with Swagelock® fittings and caps. The capped Teflon tubing was buried in Monterey type sand before the boring was temporarily capped with sand.

In order to limit potential for cross-contamination, down hole drill equipment was thoroughly decontaminated prior to the first boring and after each boring. The field personnel used a new pair of nitrile gloves for each sample collection. Teflon sample tubing and soil gas sampling probes were new.

Soil Vapor Probe Assembly Tests

Soil vapor probe assembly tests were conducted in the following order; the shut-in test and leak test in general accordance with the joint DTSC/RWQCB Advisory – Active Soil Gas Investigations ("Soil Gas Advisory"), dated July 2015.

Backfill

Boreholes were backfilled with six inches of sand above and below vapor probes. The remainder of each borehole was backfilled with hydrated bentonite and capped to match surface material grade.

Chain-of-Custody Documentation

Sample information including: sample identification, date, time, analyses, sample, laboratory turn-around-time, number and type of containers, and preservation method were recorded on a chain-of-custody (COC). The COC was filled out and signed with the date and time by the sampler. The COC accompanied the samples. If the custody of the samples and COC were transferred the COC was signed with the date and time by the releasing and new custodians.

Investigative-Derived Waste Handling

Soil cuttings, waste groundwater, and decontamination water from the investigation was stored on site in two Department of Transportation-approved 55-gallon drums. The containers were labeled with generator information including: site name and address, generator name and phone number, contents, date of accumulation, and hazardous waste classification. Contents were classified as hazardous or non-hazardous before disposal of the waste to a licensed recycling facility by a licensed transporter.

Other investigative-derived waste was collected in large trash bags and disposed as normal non-hazardous waste.

APPENDIX E

Analytical Laboratory Reports

Enthalpy Analytical, LLC

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MONTROSE ENVIRONMENTAL

Client:	Ninyo & Moore	Lab Request:	417431
Address:	475 Goddard Suite 200 Irvine, CA 92618	Report Date:	09/17/2019
		Date Received:	07/18/2019
		Client ID:	15461
Attn:	Patrick Cullip		

Comments: RCTC Riverside Downtown Metrolink
#209691009
Riverside Downtown Metrolink, Riverside, CA

Supplemental Report 3 - This report includes the results from the change orders dated 07/30/19, 08/06/19, 08/29/19 and 9/13/19. See attached report for the PCBs results.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID	Sample #	Client Sample ID	Sample #	Client Sample ID
417431-001	B1-0.5'	417431-025	B4A-25'	417431-049	Dup-2
417431-002	B1-5'	417431-026	B5-0.5'	417431-050	Dup-3
417431-003	B1-10'	417431-027	B5-5'	417431-051	EB-02
417431-004	B1-15'	417431-028	B5-10'	417431-052	TB-02
417431-005	B1-20'	417431-029	B5-15'		
417431-006	B1-25'	417431-030	B5-20'		
417431-007	B2-0.5'	417431-031	B5-25'		
417431-008	B2-5'	417431-032	B19-0.5'		
417431-009	B2-10'	417431-033	B19-1'		
417431-010	B2-15'	417431-034	B19-2'		
417431-011	B2-20'	417431-035	B19-5'		
417431-012	B2-25'	417431-036	B13-0.5'		
417431-013	B3-0.5'	417431-037	B13-1'		
417431-014	B3-5'	417431-038	B13-2'		
417431-015	B3-10'	417431-039	B13-5'		
417431-016	B3-15'	417431-040	B14-0.5'		
417431-017	B3-20'	417431-041	B14-1'		
417431-018	B3-25'	417431-042	B14-2'		
417431-019	B4-0.5'	417431-043	B14-5'		
417431-020	B4A-0.5'	417431-044	B15-0.5'		
417431-021	B4A-5'	417431-045	B15-1'		
417431-022	B4A-10'	417431-046	B15-2'		
417431-023	B4A-15'	417431-047	B15-5'		
417431-024	B4A-20'	417431-048	Dup-1		

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Patricia Mata, PM

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 06:58	**Site:**			
Sample #:	**417431-001**	**Client Sample #:**	B1-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204521	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	ND	1	1	mg/Kg		07/25/19	KLN	
Barium	**99.3**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**17.2**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**8.19**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**13.5**	1	1	mg/Kg		07/25/19	KLN	
Lead	**12.8**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**10.3**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**34.0**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**43.3**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.81	2.43	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*		*Notes*			
4-Bromofluorobenzene (SUR)	*105*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	5	50	mg/Kg	07/23/19	07/23/19	TW	
TPH (C23 to C40)	**260**	5	50	mg/Kg	07/23/19	07/23/19	TW	
Surrogate	*% Recovery*		*Limits*		*Notes*			
Triacontane (SUR)	*117*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204392	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1,1-Trichloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1,2-Trichloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,1-Dichloropropene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2,3-Trichloropropane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2-Dibromoethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2-Dichlorobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2-Dichloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,2-Dichloropropane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,3-Dichlorobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
1,3-Dichloropropane	ND	1	5	ug/Kg		07/19/19	ZZ	
1,4-Dichlorobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
2,2-Dichloropropane	ND	1	5	ug/Kg		07/19/19	ZZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 06:58	**Site:**			
Sample #:	**417431-001**	**Client Sample #:**	B1-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
2-Butanone (MEK)	ND	1	100	ug/Kg		07/19/19	ZZ	
2-Chlorotoluene	ND	1	5	ug/Kg		07/19/19	ZZ	
4-Chlorotoluene	ND	1	5	ug/Kg		07/19/19	ZZ	
4-Isopropyltoluene	ND	1	5	ug/Kg		07/19/19	ZZ	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg		07/19/19	ZZ	
Acetone	ND	1	100	ug/Kg		07/19/19	ZZ	
Allyl Chloride	ND	1	5	ug/Kg		07/19/19	ZZ	
Benzene	**5.1**	1	5	ug/Kg		07/19/19	ZZ	
Bromobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
Bromochloromethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Bromodichloromethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Bromoform	ND	1	5	ug/Kg		07/19/19	ZZ	
Bromomethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Carbon Tetrachloride	ND	1	5	ug/Kg		07/19/19	ZZ	
Chlorobenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
Chlorodibromomethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Chloroethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Chloroform	ND	1	5	ug/Kg		07/19/19	ZZ	
Chloromethane	ND	1	5	ug/Kg		07/19/19	ZZ	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg		07/19/19	ZZ	
cis-1,3-dichloropropene	ND	1	5	ug/Kg		07/19/19	ZZ	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/19/19	ZZ	
Dibromomethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Dichlorodifluoromethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		07/19/19	ZZ	
Ethylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		07/19/19	ZZ	
Hexachlorobutadiene	ND	1	5	ug/Kg		07/19/19	ZZ	
Isopropylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
m and p-Xylene	ND	1	5	ug/Kg		07/19/19	ZZ	
Methylene chloride	ND	1	5	ug/Kg		07/19/19	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		07/19/19	ZZ	
Naphthalene	ND	1	5	ug/Kg		07/19/19	ZZ	
N-butylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
N-propylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
o-Xylene	ND	1	5	ug/Kg		07/19/19	ZZ	
Sec-butylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
Styrene	ND	1	5	ug/Kg		07/19/19	ZZ	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		07/19/19	ZZ	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		07/19/19	ZZ	
Tert-butylbenzene	ND	1	5	ug/Kg		07/19/19	ZZ	
Tetrachloroethene	ND	1	5	ug/Kg		07/19/19	ZZ	
Toluene	ND	1	5	ug/Kg		07/19/19	ZZ	
trans-1,2-dichloroethene	ND	1	5	ug/Kg		07/19/19	ZZ	
trans-1,3-dichloropropene	ND	1	5	ug/Kg		07/19/19	ZZ	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/19/19	ZZ	
Trichloroethene	ND	1	5	ug/Kg		07/19/19	ZZ	
Trichlorofluoromethane	ND	1	5	ug/Kg		07/19/19	ZZ	
Vinyl Chloride	ND	1	5	ug/Kg		07/19/19	ZZ	
Xylenes (Total)	ND	1	5	ug/Kg		07/19/19	ZZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 06:58	**Site:**			
Sample #:	**417431-001**	**Client Sample #:**	B1-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*106*		*70-145*					
4-Bromofluorobenzene (SUR)	*95*		*70-145*					
Dibromofluoromethane (SUR)	*97*		*70-145*					
Toluene-d8 (SUR)	*98*		*70-145*					

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
2-Methylnaphthalene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthylene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Anthracene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Benz(a)anthracene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Benzo(a)pyrene	**630**	25	250	ug/Kg	07/21/19	07/23/19	MTS
Benzo(b)fluoranthene	**390**	25	250	ug/Kg	07/21/19	07/23/19	MTS
Benzo(g,h,i)perylene	**870**	25	250	ug/Kg	07/21/19	07/23/19	MTS
Benzo(k)fluoranthene	**380**	25	250	ug/Kg	07/21/19	07/23/19	MTS
Chrysene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Dibenz(a,h)anthracene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Fluoranthene	**430**	25	250	ug/Kg	07/21/19	07/23/19	MTS
Fluorene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Indeno(1,2,3-cd)pyrene	**760**	25	250	ug/Kg	07/21/19	07/23/19	MTS
Naphthalene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Phenanthrene	ND	25	250	ug/Kg	07/21/19	07/23/19	MTS
Pyrene	**730**	25	250	ug/Kg	07/21/19	07/23/19	MTS

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*52*	*30-120*	
Nitrobenzene-d5 (SUR)	*65*	*27-125*	
p-Terphenyl (SUR)	*195*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:14	**Site:**			
Sample #:	**417431-002**	**Client Sample #:**	B1-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1204521	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	ND	1	1	mg/Kg		07/25/19	KLN	
Barium	**196**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**1.12**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**18.0**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**12.3**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**12.2**	1	1	mg/Kg		07/25/19	KLN	
Lead	**6.22**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**11.2**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**48.6**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**58.0**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:16	**Site:**			
Sample #:	**417431-003**	**Client Sample #:**	B1-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5030						QCBatchID: QC1204821		
TPH (C6 to C12)	ND	1	3	mg/Kg		07/31/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*95*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204803		
TPH (C13 to C22)	ND	1	10	mg/Kg	07/31/19	08/01/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/31/19	08/01/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*104*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5030						QCBatchID: QC1204652		
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,1-Trichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2-Trichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,3-Trichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dibromoethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,3-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,3-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,4-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
2,2-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
2-Butanone (MEK)	ND	1	100	ug/Kg		07/30/19	LZ	
2-Chlorotoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Chlorotoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Isopropyltoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg		07/30/19	LZ	
Acetone	ND	1	100	ug/Kg		07/30/19	LZ	
Allyl Chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Benzene	ND	1	5	ug/Kg		07/30/19	LZ	
Bromobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Bromochloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Bromodichloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Bromoform	ND	1	5	ug/Kg		07/30/19	LZ	
Bromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Carbon Tetrachloride	ND	1	5	ug/Kg		07/30/19	LZ	
Chlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Chlorodibromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Chloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
Chloroform	ND	1	5	ug/Kg		07/30/19	LZ	
Chloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,3-dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/30/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:16	**Site:**			
Sample #:	**417431-003**	**Client Sample #:**	B1-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Dichlorodifluoromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		07/30/19	LZ	
Ethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		07/30/19	LZ	
Hexachlorobutadiene	ND	1	5	ug/Kg		07/30/19	LZ	
Isopropylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
m and p-Xylene	ND	1	5	ug/Kg		07/30/19	LZ	
Methylene chloride	**8.4**	1	5	ug/Kg		07/30/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		07/30/19	LZ	
Naphthalene	ND	1	5	ug/Kg		07/30/19	LZ	
N-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
N-propylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
o-Xylene	ND	1	5	ug/Kg		07/30/19	LZ	
Sec-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Styrene	ND	1	5	ug/Kg		07/30/19	LZ	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		07/30/19	LZ	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		07/30/19	LZ	
Tert-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Tetrachloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
Toluene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,2-dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,3-dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/30/19	LZ	
Trichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
Trichlorofluoromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Vinyl Chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Xylenes (Total)	ND	1	5	ug/Kg		07/30/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*98*	*70-145*	
4-Bromofluorobenzene (SUR)	*103*	*70-145*	
Dibromofluoromethane (SUR)	*106*	*70-145*	
Toluene-d8 (SUR)	*107*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204773

1-Methylnaphthalene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Fluoranthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Phenanthrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Pyrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:16	**Site:**			
Sample #:	**417431-003**	**Client Sample #:**	B1-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*52*	*30-120*	
Nitrobenzene-d5 (SUR)	*60*	*27-125*	
p-Terphenyl (SUR)	*74*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:18	**Site:**			
Sample #:	**417431-004**	**Client Sample #:**	B1-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:22	**Site:**			
Sample #:	**417431-005**	**Client Sample #:**	B1-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204342		
TPH (C6 to C12)	ND	0.78	2.34	mg/Kg		07/23/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*105*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204494		
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/23/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/23/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*93*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204392		
1,1,1,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1,1-Trichloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1,2,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1,2-Trichloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,1-Dichloropropene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2,3-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2,3-Trichloropropane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2,4-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2,4-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2-Dibromo-3-chloropropane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2-Dibromoethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2-Dichloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,3,5-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,3-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,3-Dichloropropane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
1,4-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
2,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
2-Butanone (MEK)	ND	0.7	70	ug/Kg		07/19/19	ZZ	
2-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
4-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
4-Isopropyltoluene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
4-Methyl-2-pentanone (MIBK)	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Acetone	ND	0.7	70	ug/Kg		07/19/19	ZZ	
Allyl Chloride	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Benzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Bromobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Bromochloromethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Bromodichloromethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Bromoform	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Bromomethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Carbon Tetrachloride	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Chlorobenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Chlorodibromomethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Chloroethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Chloroform	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Chloromethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
cis-1,2-Dichloroethene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
cis-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
cis-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:22	**Site:**			
Sample #:	**417431-005**	**Client Sample #:**	B1-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Dichlorodifluoromethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Di-isopropyl ether (DIPE)	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Ethylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Hexachlorobutadiene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Isopropylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
m and p-Xylene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Methylene chloride	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Naphthalene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
N-butylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
N-propylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
o-Xylene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Sec-butylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Styrene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
t-Butyl alcohol (TBA)	ND	0.7	7	ug/Kg		07/19/19	ZZ	
Tert-amylmethylether (TAME)	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Tert-butylbenzene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Tetrachloroethene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Toluene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
trans-1,2-dichloroethene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
trans-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
trans-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Trichloroethene	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Trichlorofluoromethane	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Vinyl Chloride	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	
Xylenes (Total)	ND	0.7	3.5	ug/Kg		07/19/19	ZZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*108*	*70-145*	
4-Bromofluorobenzene (SUR)	*92*	*70-145*	
Dibromofluoromethane (SUR)	*98*	*70-145*	
Toluene-d8 (SUR)	*98*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
2-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Benz(a)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Benzo(a)pyrene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Chrysene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Fluoranthene	**21**	1	10	ug/Kg	07/21/19	07/23/19	MTS
Fluorene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Naphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS
Phenanthrene	**24**	1	10	ug/Kg	07/21/19	07/23/19	MTS
Pyrene	**15**	1	10	ug/Kg	07/21/19	07/23/19	MTS

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:22	**Site:**			
Sample #:	**417431-005**	**Client Sample #:**	B1-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*64*	*30-120*	
Nitrobenzene-d5 (SUR)	*72*	*27-125*	
p-Terphenyl (SUR)	*103*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 07:28	**Site:**			
Sample #:	**417431-006**	**Client Sample #:**	B1-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:10	**Site:**			
Sample #:	**417431-007**	**Client Sample #:**	B2-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 1311/3010A					QCBatchID:	QC1204856	
Lead	**0.054**	1	0.05	mg/L		08/01/19	KLN	
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1204521	
Antimony	**3.44**	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**5.85**	1	1	mg/Kg		07/25/19	KLN	
Barium	**72.4**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**2.70**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**8.27**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**7.62**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**13.7**	1	1	mg/Kg		07/25/19	KLN	
Lead	**155**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**52.2**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**48.2**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**1260**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 6010B *NELAC*	Prep Method: STLC					QCBatchID:	QC1204854	
Lead	**3.24**	10	0.15	mg/L		08/05/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID:	QC1204545	
Mercury	**0.25**	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:12	**Site:**			
Sample #:	**417431-008**	**Client Sample #:**	B2-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1204521	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**3.68**	1	1	mg/Kg		07/25/19	KLN	
Barium	**117**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.56**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**15.4**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**8.14**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**9.60**	1	1	mg/Kg		07/25/19	KLN	
Lead	**5.11**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**9.56**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**37.6**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**44.6**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:28	**Site:**			
Sample #:	**417431-009**	**Client Sample #:**	B2-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:31	**Site:**			
Sample #:	**417431-010**	**Client Sample #:**	B2-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204342		
TPH (C6 to C12)	ND	0.81	2.43	mg/Kg		07/23/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*100*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204494		
TPH (C13 to C22)	**140**	1	10	mg/Kg	07/23/19	07/23/19	TW	
TPH (C23 to C40)	**450**	1	10	mg/Kg	07/23/19	07/23/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*92*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204392		
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/19/19	ZZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Acetone	ND	0.9	90	ug/Kg		07/19/19	ZZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Benzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:31	**Site:**			
Sample #:	**417431-010**	**Client Sample #:**	B2-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Methylene chloride	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Styrene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/19/19	ZZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Toluene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/19/19	ZZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*109*	*70-145*	
4-Bromofluorobenzene (SUR)	*92*	*70-145*	
Dibromofluoromethane (SUR)	*98*	*70-145*	
Toluene-d8 (SUR)	*97*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
2-Methylnaphthalene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthylene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Anthracene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benz(a)anthracene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(a)pyrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(b)fluoranthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(g,h,i)perylene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(k)fluoranthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Chrysene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Dibenz(a,h)anthracene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluoranthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluorene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Indeno(1,2,3-cd)pyrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Naphthalene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Phenanthrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Pyrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:31	**Site:**			
Sample #:	**417431-010**	**Client Sample #:**	B2-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*51*	*30-120*	
Nitrobenzene-d5 (SUR)	*53*	*27-125*	
p-Terphenyl (SUR)	*171*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:35	**Site:**			
Sample #:	**417431-011**	**Client Sample #:**	B2-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:38	**Site:**			
Sample #:	**417431-012**	**Client Sample #:**	B2-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.89	2.67	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*95*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	**600**	2	20	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**1300**	2	20	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*103*		*50-150*					
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204392	
1,1,1,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1,1-Trichloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1,2,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1,2-Trichloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1-Dichloroethene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,1-Dichloropropene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2,3-Trichlorobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2,3-Trichloropropane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2,4-Trichlorobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2,4-Trimethylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2-Dibromo-3-chloropropane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2-Dibromoethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2-Dichlorobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2-Dichloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,2-Dichloropropane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,3,5-Trimethylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,3-Dichlorobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,3-Dichloropropane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
1,4-Dichlorobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
2,2-Dichloropropane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
2-Butanone (MEK)	ND	0.8	80	ug/Kg		07/19/19	ZZ	
2-Chlorotoluene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
4-Chlorotoluene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
4-Isopropyltoluene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
4-Methyl-2-pentanone (MIBK)	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Acetone	ND	0.8	80	ug/Kg		07/19/19	ZZ	
Allyl Chloride	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Benzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Bromobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Bromochloromethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Bromodichloromethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Bromoform	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Bromomethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Carbon Tetrachloride	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Chlorobenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Chlorodibromomethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Chloroethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Chloroform	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Chloromethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
cis-1,2-Dichloroethene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
cis-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
cis-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/19/19	ZZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:38	**Site:**			
Sample #:	**417431-012**	**Client Sample #:**	B2-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Dichlorodifluoromethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Di-isopropyl ether (DIPE)	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Ethylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Hexachlorobutadiene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Isopropylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
m and p-Xylene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Methylene chloride	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Naphthalene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
N-butylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
N-propylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
o-Xylene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Sec-butylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Styrene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
t-Butyl alcohol (TBA)	ND	0.8	8	ug/Kg		07/19/19	ZZ	
Tert-amylmethylether (TAME)	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Tert-butylbenzene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Tetrachloroethene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Toluene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
trans-1,2-dichloroethene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
trans-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
trans-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Trichloroethene	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Trichlorofluoromethane	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Vinyl Chloride	ND	0.8	4	ug/Kg		07/19/19	ZZ	
Xylenes (Total)	ND	0.8	4	ug/Kg		07/19/19	ZZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*109*	*70-145*	
4-Bromofluorobenzene (SUR)	*95*	*70-145*	
Dibromofluoromethane (SUR)	*99*	*70-145*	
Toluene-d8 (SUR)	*99*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
2-Methylnaphthalene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthylene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Anthracene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benz(a)anthracene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(a)pyrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(b)fluoranthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(g,h,i)perylene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(k)fluoranthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Chrysene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Dibenz(a,h)anthracene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluoranthene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluorene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Indeno(1,2,3-cd)pyrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Naphthalene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Phenanthrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2
Pyrene	ND	20	200	ug/Kg	07/21/19	07/23/19	MTS	D2

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 08:38	**Site:**			
Sample #:	**417431-012**	**Client Sample #:**	B2-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*67*	*30-120*	
Nitrobenzene-d5 (SUR)	*71*	*27-125*	
p-Terphenyl (SUR)	*187*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:00	**Site:**			
Sample #:	**417431-013**	**Client Sample #:**	B3-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 1311/3010A						QCBatchID:	QC1204856	
Lead	ND	1	0.05	mg/L		08/01/19	KLN	
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204521	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**4.86**	1	1	mg/Kg		07/25/19	KLN	
Barium	**99.4**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.68**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**17.6**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**6.90**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**48.0**	1	1	mg/Kg		07/25/19	KLN	
Lead	**23.3**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**12.5**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**32.7**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**59.7**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 6010B *NELAC* Prep Method: STLC						QCBatchID:	QC1204854	
Lead	**0.436**	10	0.15	mg/L		08/05/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.91	2.73	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*95*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	5	50	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**380**	5	50	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*106*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204452	
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:00	**Site:**			
Sample #:	**417431-013**	**Client Sample #:**	B3-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/22/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/22/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methylene chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/22/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:00	**Site:**			
Sample #:	**417431-013**	**Client Sample #:**	B3-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*116*		*70-145*					
4-Bromofluorobenzene (SUR)	*95*		*70-145*					
Dibromofluoromethane (SUR)	*100*		*70-145*					
Toluene-d8 (SUR)	*98*		*70-145*					

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
2-Methylnaphthalene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthylene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Anthracene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Benz(a)anthracene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Benzo(a)pyrene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Benzo(b)fluoranthene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Benzo(g,h,i)perylene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Benzo(k)fluoranthene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Chrysene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Dibenz(a,h)anthracene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Fluoranthene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Fluorene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Indeno(1,2,3-cd)pyrene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Naphthalene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Phenanthrene	ND	50	500	ug/Kg	07/21/19	07/23/19	MTS
Pyrene	**600**	50	500	ug/Kg	07/21/19	07/23/19	MTS

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*78*	*30-120*	
Nitrobenzene-d5 (SUR)	*71*	*27-125*	
p-Terphenyl (SUR)	*401*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:08	**Site:**			
Sample #:	**417431-014**	**Client Sample #:**	B3-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 1311/3010A					QCBatchID: QC1206731		
Lead	**0.241**	1	0.05	mg/L		09/17/19	SBW	
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID: QC1204521		
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**7.87**	1	1	mg/Kg		07/25/19	KLN	
Barium	**64.4**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.50**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**19.8**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**6.68**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**26.6**	1	1	mg/Kg		07/25/19	KLN	
Lead	**148**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**7.67**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**30.6**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**106**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 6010B *NELAC*	Prep Method: STLC					QCBatchID: QC1205114		
Lead	**15.4**	10	0.15	mg/L		08/09/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID: QC1204545		
Mercury	**1.23**	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:12	**Site:**			
Sample #:	**417431-015**	**Client Sample #:**	B3-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID: QC1206689		
Lead	**14.1**	1	1	mg/Kg		09/16/19	SBW	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204342		
TPH (C6 to C12)	ND	0.94	2.82	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204494		
TPH (C13 to C22)	**13**	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**84**	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*101*		*50-150*					
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204452		
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/22/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/22/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:12	**Site:**			
Sample #:	**417431-015**	**Client Sample #:**	B3-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methylene chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/22/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*117*	*70-145*	
4-Bromofluorobenzene (SUR)	*89*	*70-145*	
Dibromofluoromethane (SUR)	*100*	*70-145*	
Toluene-d8 (SUR)	*97*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
2-Methylnaphthalene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthylene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Anthracene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Benz(a)anthracene	**310**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(a)pyrene	**940**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(b)fluoranthene	**560**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(g,h,i)perylene	**890**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(k)fluoranthene	**540**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Chrysene	**320**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Dibenz(a,h)anthracene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Fluoranthene	**760**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Fluorene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Indeno(1,2,3-cd)pyrene	**850**	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Naphthalene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS	
Phenanthrene	**160**	10	100	ug/Kg	07/21/19	07/23/19	MTS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:12	**Site:**			
Sample #:	**417431-015**	**Client Sample #:**	B3-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Pyrene	**930**	10	100	ug/Kg	07/21/19	07/23/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*67*	*30-120*	
Nitrobenzene-d5 (SUR)	*76*	*27-125*	
p-Terphenyl (SUR)	*159*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:17	**Site:**			
Sample #:	**417431-016**	**Client Sample #:**	B3-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5030						QCBatchID: QC1204821		
TPH (C6 to C12)	ND	1	3	mg/Kg		07/31/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*95*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204803		
TPH (C13 to C22)	ND	1	10	mg/Kg	07/31/19	08/01/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/31/19	08/01/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*92*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5030						QCBatchID: QC1204652		
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,1-Trichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2-Trichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,3-Trichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dibromoethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,3-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,3-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,4-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
2,2-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
2-Butanone (MEK)	ND	1	100	ug/Kg		07/30/19	LZ	
2-Chlorotoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Chlorotoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Isopropyltoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg		07/30/19	LZ	
Acetone	ND	1	100	ug/Kg		07/30/19	LZ	
Allyl Chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Benzene	ND	1	5	ug/Kg		07/30/19	LZ	
Bromobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Bromochloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Bromodichloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Bromoform	ND	1	5	ug/Kg		07/30/19	LZ	
Bromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Carbon Tetrachloride	ND	1	5	ug/Kg		07/30/19	LZ	
Chlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Chlorodibromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Chloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
Chloroform	ND	1	5	ug/Kg		07/30/19	LZ	
Chloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,3-dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/30/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:17	**Site:**			
Sample #:	**417431-016**	**Client Sample #:**	B3-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Dichlorodifluoromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		07/30/19	LZ	
Ethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		07/30/19	LZ	
Hexachlorobutadiene	ND	1	5	ug/Kg		07/30/19	LZ	
Isopropylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
m and p-Xylene	ND	1	5	ug/Kg		07/30/19	LZ	
Methylene chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		07/30/19	LZ	
Naphthalene	ND	1	5	ug/Kg		07/30/19	LZ	
N-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
N-propylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
o-Xylene	ND	1	5	ug/Kg		07/30/19	LZ	
Sec-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Styrene	ND	1	5	ug/Kg		07/30/19	LZ	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		07/30/19	LZ	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		07/30/19	LZ	
Tert-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Tetrachloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
Toluene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,2-dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,3-dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/30/19	LZ	
Trichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
Trichlorofluoromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Vinyl Chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Xylenes (Total)	ND	1	5	ug/Kg		07/30/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*97*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*109*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204773

1-Methylnaphthalene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Fluoranthene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Phenanthrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	
Pyrene	ND	1	10	ug/Kg	07/30/19	07/30/19	MTS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:17	**Site:**			
Sample #:	**417431-016**	**Client Sample #:**	B3-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*56*	*30-120*	
Nitrobenzene-d5 (SUR)	*62*	*27-125*	
p-Terphenyl (SUR)	*80*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:23	**Site:**			
Sample #:	**417431-017**	**Client Sample #:**	B3-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 10:28	**Site:**			
Sample #:	**417431-018**	**Client Sample #:**	B3-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 11:30	**Site:**			
Sample #:	**417431-019**	**Client Sample #:**	B4-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:25	**Site:**			
Sample #:	**417431-020**	**Client Sample #:**	B4A-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1204521	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**4.56**	1	1	mg/Kg		07/25/19	KLN	
Barium	**89.8**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.86**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**21.2**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**9.51**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**127**	1	1	mg/Kg		07/25/19	KLN	
Lead	**43.1**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	**1.97**	1	1	mg/Kg		07/25/19	KLN	
Nickel	**17.5**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**33.9**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**138**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:30	**Site:**			
Sample #:	**417431-021**	**Client Sample #:**	B4A-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204521	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	ND	1	1	mg/Kg		07/25/19	KLN	
Barium	**160**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.74**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**19.0**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**13.4**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**27.3**	1	1	mg/Kg		07/25/19	KLN	
Lead	**7.59**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**11.5**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**52.8**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**68.0**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204547	
Mercury	ND	1	0.14	mg/Kg		07/24/19		
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.78	2.34	mg/Kg		07/23/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*100*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*101*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204421	
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:30	**Site:**			
Sample #:	**417431-021**	**Client Sample #:**	B4A-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:30	**Site:**			
Sample #:	**417431-021**	**Client Sample #:**	B4A-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*117*		*70-145*					
4-Bromofluorobenzene (SUR)	*84*		*70-145*					
Dibromofluoromethane (SUR)	*103*		*70-145*					
Toluene-d8 (SUR)	*95*		*70-145*					

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
2-Methylnaphthalene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthylene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Anthracene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Benz(a)anthracene	**310**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Benzo(a)pyrene	**640**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Benzo(b)fluoranthene	**510**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Benzo(g,h,i)perylene	**400**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Benzo(k)fluoranthene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Chrysene	**290**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Dibenz(a,h)anthracene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Fluoranthene	**510**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Fluorene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Indeno(1,2,3-cd)pyrene	**510**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Naphthalene	ND	10	100	ug/Kg	07/21/19	07/23/19	MTS
Phenanthrene	**230**	10	100	ug/Kg	07/21/19	07/23/19	MTS
Pyrene	**530**	10	100	ug/Kg	07/21/19	07/23/19	MTS

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*65*	*30-120*	
Nitrobenzene-d5 (SUR)	*71*	*27-125*	
p-Terphenyl (SUR)	*157*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:34	**Site:**			
Sample #:	**417431-022**	**Client Sample #:**	B4A-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						
Method: EPA 8270CM	Prep Method: EPA 3545					QCBatchID: QC1205104		
1-Methylnaphthalene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
2-Methylnaphthalene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Acenaphthene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Acenaphthylene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Anthracene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Benz(a)anthracene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Benzo(a)pyrene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Chrysene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Fluoranthene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Fluorene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Naphthalene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Phenanthrene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	
Pyrene	ND	1	10	ug/Kg	08/07/19	08/12/19	CBR	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*75*	*30-120*	
Nitrobenzene-d5 (SUR)	*84*	*27-125*	
p-Terphenyl (SUR)	*125*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:38	**Site:**			
Sample #:	**417431-023**	**Client Sample #:**	B4A-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5030						QCBatchID: QC1204821		
TPH (C6 to C12)	ND	1	3	mg/Kg		07/31/19	EW	
Surrogate	*% Recovery*		*Limits*		*Notes*			
4-Bromofluorobenzene (SUR)	*95*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204803		
TPH (C13 to C22)	ND	50	500	mg/Kg	07/31/19	08/01/19	TW	
TPH (C23 to C40)	**3100**	50	500	mg/Kg	07/31/19	08/01/19	TW	
Surrogate	*% Recovery*		*Limits*		*Notes*			
Triacontane (SUR)	*153*		*50-150*		*S*			
Method: EPA 8260B *NELAC* Prep Method: EPA 5030						QCBatchID: QC1204652		
1,1,1,2-Tetrachloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,1-Trichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2-Trichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
1,1-Dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,3-Trichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,3-Trichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,4-Trichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2,4-Trimethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dibromoethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
1,2-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,3,5-Trimethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,3-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
1,3-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
1,4-Dichlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
2,2-Dichloropropane	ND	1	5	ug/Kg		07/30/19	LZ	
2-Butanone (MEK)	ND	1	100	ug/Kg		07/30/19	LZ	
2-Chlorotoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Chlorotoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Isopropyltoluene	ND	1	5	ug/Kg		07/30/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/Kg		07/30/19	LZ	
Acetone	ND	1	100	ug/Kg		07/30/19	LZ	
Allyl Chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Benzene	ND	1	5	ug/Kg		07/30/19	LZ	
Bromobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Bromochloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Bromodichloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Bromoform	ND	1	5	ug/Kg		07/30/19	LZ	
Bromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Carbon Tetrachloride	ND	1	5	ug/Kg		07/30/19	LZ	
Chlorobenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Chlorodibromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Chloroethane	ND	1	5	ug/Kg		07/30/19	LZ	
Chloroform	ND	1	5	ug/Kg		07/30/19	LZ	
Chloromethane	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,2-Dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,3-dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
cis-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/30/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:38	**Site:**			
Sample #:	**417431-023**	**Client Sample #:**	B4A-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	1	5	ug/Kg		07/30/19	LZ	
Dichlorodifluoromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Di-isopropyl ether (DIPE)	ND	1	5	ug/Kg		07/30/19	LZ	
Ethylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	1	5	ug/Kg		07/30/19	LZ	
Hexachlorobutadiene	ND	1	5	ug/Kg		07/30/19	LZ	
Isopropylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
m and p-Xylene	ND	1	5	ug/Kg		07/30/19	LZ	
Methylene chloride	**19**	1	5	ug/Kg		07/30/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	5	ug/Kg		07/30/19	LZ	
Naphthalene	ND	1	5	ug/Kg		07/30/19	LZ	
N-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
N-propylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
o-Xylene	ND	1	5	ug/Kg		07/30/19	LZ	
Sec-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Styrene	ND	1	5	ug/Kg		07/30/19	LZ	
t-Butyl alcohol (TBA)	ND	1	10	ug/Kg		07/30/19	LZ	
Tert-amylmethylether (TAME)	ND	1	5	ug/Kg		07/30/19	LZ	
Tert-butylbenzene	ND	1	5	ug/Kg		07/30/19	LZ	
Tetrachloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
Toluene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,2-dichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,3-dichloropropene	ND	1	5	ug/Kg		07/30/19	LZ	
trans-1,4-dichloro-2-butene	ND	1	5	ug/Kg		07/30/19	LZ	
Trichloroethene	ND	1	5	ug/Kg		07/30/19	LZ	
Trichlorofluoromethane	ND	1	5	ug/Kg		07/30/19	LZ	
Vinyl Chloride	ND	1	5	ug/Kg		07/30/19	LZ	
Xylenes (Total)	ND	1	5	ug/Kg		07/30/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*99*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromofluoromethane (SUR)	*107*	*70-145*	
Toluene-d8 (SUR)	*103*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204773

1-Methylnaphthalene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
2-Methylnaphthalene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Acenaphthene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Acenaphthylene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Anthracene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Benz(a)anthracene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Benzo(a)pyrene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Benzo(b)fluoranthene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Benzo(g,h,i)perylene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Benzo(k)fluoranthene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Chrysene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Dibenz(a,h)anthracene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Fluoranthene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Fluorene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Indeno(1,2,3-cd)pyrene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Naphthalene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Phenanthrene	ND	200	2000	ug/Kg	07/30/19	07/30/19	MTS
Pyrene	**2300**	200	2000	ug/Kg	07/30/19	07/30/19	MTS

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:38	**Site:**			
Sample #:	**417431-023**	**Client Sample #:**	B4A-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*00*	*30-120*	*S2*
Nitrobenzene-d5 (SUR)	*52*	*27-125*	
p-Terphenyl (SUR)	*902*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:42	**Site:**			
Sample #:	**417431-024**	**Client Sample #:**	B4A-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204342		
TPH (C6 to C12)	ND	1	3	mg/Kg		07/23/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*95*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204494		
TPH (C13 to C22)	ND	50	500	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**1200**	50	500	mg/Kg	07/23/19	07/24/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*138*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204421		
1,1,1,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.8	80	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Acetone	**120**	0.8	80	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Benzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:42	**Site:**			
Sample #:	**417431-024**	**Client Sample #:**	B4A-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.8	4	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Styrene	ND	0.8	4	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.8	8	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Tetrachloroethene	**4.8**	0.8	4	ug/Kg		07/20/19	LZ	
Toluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.8	4	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*116*	*70-145*	
4-Bromofluorobenzene (SUR)	*84*	*70-145*	
Dibromofluoromethane (SUR)	*101*	*70-145*	
Toluene-d8 (SUR)	*96*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
2-Methylnaphthalene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Acenaphthylene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Anthracene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Benz(a)anthracene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Benzo(a)pyrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Benzo(b)fluoranthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Benzo(g,h,i)perylene	**1600**	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Benzo(k)fluoranthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Chrysene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Dibenz(a,h)anthracene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Fluoranthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Fluorene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Indeno(1,2,3-cd)pyrene	**1000**	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Naphthalene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Phenanthrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS
Pyrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:42	**Site:**			
Sample #:	**417431-024**	**Client Sample #:**	B4A-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*73*	*30-120*	
Nitrobenzene-d5 (SUR)	*36*	*27-125*	
p-Terphenyl (SUR)	*581*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:45	**Site:**			
Sample #:	**417431-025**	**Client Sample #:**	B4A-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 11:56	**Site:**			
Sample #:	**417431-026**	**Client Sample #:**	B5-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**4.19**	1	1	mg/Kg		07/25/19	KLN	
Barium	**72.2**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**16.8**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**7.79**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**10.6**	1	1	mg/Kg		07/25/19	KLN	
Lead	**5.65**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**9.68**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**33.1**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**33.7**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.75	2.25	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*105*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**12**	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*81*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204421	
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 11:56	**Site:**			
Sample #:	**417431-026**	**Client Sample #:**	B5-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 11:56	**Site:**			
Sample #:	**417431-026**	**Client Sample #:**	B5-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*113*		*70-145*					
4-Bromofluorobenzene (SUR)	*81*		*70-145*					
Dibromofluoromethane (SUR)	*101*		*70-145*					
Toluene-d8 (SUR)	*95*		*70-145*					
Method: EPA 8270CM	Prep Method: EPA 3545					QCBatchID:	QC1204436	
1-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluoranthene	**17**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Phenanthrene	**18**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Pyrene	**12**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
2-Fluorobiphenyl (SUR)	*62*		*30-120*					
Nitrobenzene-d5 (SUR)	*67*		*27-125*					
p-Terphenyl (SUR)	*91*		*33-155*					

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:03	**Site:**			
Sample #:	**417431-027**	**Client Sample #:**	B5-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**3.64**	1	1	mg/Kg		07/25/19	KLN	
Barium	**80.8**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.92**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**20.6**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**10.3**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**15.0**	1	1	mg/Kg		07/25/19	KLN	
Lead	**11.9**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	**1.25**	1	1	mg/Kg		07/25/19	KLN	
Nickel	**12.8**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	**3.15**	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**34.2**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**42.6**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:07	**Site:**			
Sample #:	**417431-028**	**Client Sample #:**	B5-10'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:12	**Site:**			
Sample #:	**417431-029**	**Client Sample #:**	B5-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204342		
TPH (C6 to C12)	ND	0.82	2.46	mg/Kg		07/23/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*100*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204494		
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*103*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204421		
1,1,1,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.7	70	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.7	70	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:12	**Site:**			
Sample #:	**417431-029**	**Client Sample #:**	B5-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Dibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.7	7	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*117*	*70-145*	
4-Bromofluorobenzene (SUR)	*81*	*70-145*	
Dibromofluoromethane (SUR)	*103*	*70-145*	
Toluene-d8 (SUR)	*93*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluoranthene	**15**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Phenanthrene	**17**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Pyrene	**11**	1	10	ug/Kg	07/21/19	07/23/19	MTS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:12	**Site:**			
Sample #:	**417431-029**	**Client Sample #:**	B5-15'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*65*	*30-120*	
Nitrobenzene-d5 (SUR)	*73*	*27-125*	
p-Terphenyl (SUR)	*97*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:15	**Site:**			
Sample #:	**417431-030**	**Client Sample #:**	B5-20'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 12:19	**Site:**			
Sample #:	**417431-031**	**Client Sample #:**	B5-25'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:10	**Site:**			
Sample #:	**417431-032**	**Client Sample #:**	B19-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID: QC1204522		
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**6.78**	1	1	mg/Kg		07/25/19	KLN	
Barium	**124**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.61**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**16.4**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**6.83**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**13.0**	1	1	mg/Kg		07/25/19	KLN	
Lead	**16.2**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**9.93**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**31.6**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**41.9**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID: QC1204545		
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:12	**Site:**			
Sample #:	**417431-033**	**Client Sample #:**	B19-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**7.60**	1	1	mg/Kg		07/25/19	KLN	
Barium	**78.9**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.56**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**21.9**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**7.34**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**17.8**	1	1	mg/Kg		07/25/19	KLN	
Lead	**20.1**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**13.1**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**30.4**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**41.8**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.81	2.43	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	50	500	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**680**	50	500	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*123*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/23/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/23/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/23/19	SS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*69*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*75*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:12	**Site:**			
Sample #:	**417431-033**	**Client Sample #:**	B19-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204421		
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Acetone	**97**	0.9	90	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:12	**Site:**			
Sample #:	**417431-033**	**Client Sample #:**	B19-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Methylene chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*116*	*70-145*	
4-Bromofluorobenzene (SUR)	*84*	*70-145*	
Dibromofluoromethane (SUR)	*99*	*70-145*	
Toluene-d8 (SUR)	*95*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
2-Methylnaphthalene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthylene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Anthracene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Benz(a)anthracene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(a)pyrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(b)fluoranthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(g,h,i)perylene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(k)fluoranthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Chrysene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Dibenz(a,h)anthracene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluoranthene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluorene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Indeno(1,2,3-cd)pyrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Naphthalene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Phenanthrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2
Pyrene	ND	100	1000	ug/Kg	07/21/19	07/23/19	MTS	D2

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*121*	*30-120*	*S*
Nitrobenzene-d5 (SUR)	*80*	*27-125*	
p-Terphenyl (SUR)	*654*	*33-155*	*S*

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:17	**Site:**			
Sample #:	**417431-034**	**Client Sample #:**	B19-2'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:22	**Site:**			
Sample #:	**417431-035**	**Client Sample #:**	B19-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.77	2.31	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**14**	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*98*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/23/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/23/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/23/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/23/19	SS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*64*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*67*		*50-150*					
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204421	
1,1,1,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:22	**Site:**			
Sample #:	**417431-035**	**Client Sample #:**	B19-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
1,3-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.7	70	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.7	70	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.7	7	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:22	**Site:**			
Sample #:	**417431-035**	**Client Sample #:**	B19-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*111*		*70-145*					
4-Bromofluorobenzene (SUR)	*84*		*70-145*					
Dibromofluoromethane (SUR)	*99*		*70-145*					
Toluene-d8 (SUR)	*96*		*70-145*					

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
2-Methylnaphthalene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Acenaphthylene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Anthracene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Benz(a)anthracene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(a)pyrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(b)fluoranthene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(g,h,i)perylene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Benzo(k)fluoranthene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Chrysene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Dibenz(a,h)anthracene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluoranthene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Fluorene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Indeno(1,2,3-cd)pyrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Naphthalene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Phenanthrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2
Pyrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	D2

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*61*	*30-120*	
Nitrobenzene-d5 (SUR)	*59*	*27-125*	
p-Terphenyl (SUR)	*120*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:20	**Site:**			
Sample #:	**417431-036**	**Client Sample #:**	B13-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**94.0**	1	1	mg/Kg		07/25/19	KLN	
Barium	**50.0**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**13.8**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**7.36**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**16.4**	1	1	mg/Kg		07/25/19	KLN	
Lead	**27.0**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**10.2**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**30.9**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**119**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 6010B *NELAC* Prep Method: STLC						QCBatchID:	QC1204854	
Arsenic	**4.39**	10	0.3	mg/L		08/05/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.78	2.34	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*93*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:20	**Site:**			
Sample #:	**417431-036**	**Client Sample #:**	B13-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*72*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*71*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:		QC1204421
1,1,1,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.8	80	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Acetone	ND	0.8	80	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Benzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:20	**Site:**			
Sample #:	**417431-036**	**Client Sample #:**	B13-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Ethyl-tertbutylether (ETBE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.8	4	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Styrene	ND	0.8	4	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.8	8	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Toluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.8	4	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*111*	*70-145*	
4-Bromofluorobenzene (SUR)	*84*	*70-145*	
Dibromofluoromethane (SUR)	*98*	*70-145*	
Toluene-d8 (SUR)	*98*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Anthracene	**16**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benz(a)anthracene	**22**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(a)pyrene	**40**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(b)fluoranthene	**35**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(g,h,i)perylene	**44**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(k)fluoranthene	**31**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Chrysene	**22**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluoranthene	**56**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Indeno(1,2,3-cd)pyrene	**38**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Naphthalene	**13**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Phenanthrene	**35**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Pyrene	**56**	1	10	ug/Kg	07/21/19	07/23/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*62*	*30-120*	
Nitrobenzene-d5 (SUR)	*64*	*27-125*	
p-Terphenyl (SUR)	*99*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:22	**Site:**			
Sample #:	**417431-037**	**Client Sample #:**	B13-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**69.3**	1	1	mg/Kg		07/25/19	KLN	
Barium	**43.0**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.56**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**17.0**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**10.0**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**16.8**	1	1	mg/Kg		07/25/19	KLN	
Lead	**17.2**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**13.8**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**37.6**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**59.5**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 6010B *NELAC* Prep Method: STLC						QCBatchID:	QC1204854	
Arsenic	**2.60**	10	0.3	mg/L		08/05/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.78	2.34	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*77*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:22	**Site:**			
Sample #:	**417431-037**	**Client Sample #:**	B13-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*80*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*78*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:		QC1204421
1,1,1,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.7	70	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.7	70	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:22	**Site:**			
Sample #:	**417431-037**	**Client Sample #:**	B13-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Ethyl-tertbutylether (ETBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.7	7	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*110*	*70-145*	
4-Bromofluorobenzene (SUR)	*83*	*70-145*	
Dibromofluoromethane (SUR)	*98*	*70-145*	
Toluene-d8 (SUR)	*97*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benz(a)anthracene	**14**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(a)pyrene	**24**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(b)fluoranthene	**21**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(g,h,i)perylene	**24**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(k)fluoranthene	**18**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Chrysene	**13**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluoranthene	**39**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Indeno(1,2,3-cd)pyrene	**20**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Naphthalene	**11**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Phenanthrene	**29**	1	10	ug/Kg	07/21/19	07/23/19	MTS	
Pyrene	**39**	1	10	ug/Kg	07/21/19	07/23/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*64*	*30-120*	
Nitrobenzene-d5 (SUR)	*82*	*27-125*	
p-Terphenyl (SUR)	*104*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:24	**Site:**			
Sample #:	**417431-038**	**Client Sample #:**	B13-2'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID: QC1206111		
Arsenic	ND	1	1	mg/Kg		09/03/19	SBW	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:30	**Site:**			
Sample #:	**417431-039**	**Client Sample #:**	B13-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:55	**Site:**			
Sample #:	**417431-040**	**Client Sample #:**	B14-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**64.2**	1	1	mg/Kg		07/25/19	KLN	
Barium	**57.0**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.62**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**21.5**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**8.80**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**17.0**	1	1	mg/Kg		07/25/19	KLN	
Lead	**27.9**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**12.5**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**35.3**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**55.7**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 6010B *NELAC* Prep Method: STLC						QCBatchID:	QC1204854	
Arsenic	**2.56**	10	0.3	mg/L		08/05/19	KLN	
Lead	**0.600**	10	0.15	mg/L		08/05/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.81	2.43	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*105*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**10**	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*91*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:55	**Site:**			
Sample #:	**417431-040**	**Client Sample #:**	B14-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*84*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*80*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:		QC1204421
1,1,1,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.8	4	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.8	80	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Acetone	ND	0.8	80	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Benzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.8	4	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.8	4	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:55	**Site:**			
Sample #:	**417431-040**	**Client Sample #:**	B14-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Ethyl-tertbutylether (ETBE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.8	4	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Styrene	ND	0.8	4	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.8	8	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.8	4	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Toluene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.8	4	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.8	4	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.8	4	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.8	4	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.8	4	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*112*	*70-145*	
4-Bromofluorobenzene (SUR)	*82*	*70-145*	
Dibromofluoromethane (SUR)	*100*	*70-145*	
Toluene-d8 (SUR)	*96*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204436

1-Methylnaphthalene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
2-Methylnaphthalene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Acenaphthylene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Anthracene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Benz(a)anthracene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(a)pyrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(b)fluoranthene	**50**	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(g,h,i)perylene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Benzo(k)fluoranthene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Chrysene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Dibenz(a,h)anthracene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Fluoranthene	**75**	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Fluorene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Naphthalene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Phenanthrene	ND	5	50	ug/Kg	07/21/19	07/23/19	MTS	
Pyrene	**73**	5	50	ug/Kg	07/21/19	07/23/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*65*	*30-120*	
Nitrobenzene-d5 (SUR)	*63*	*27-125*	
p-Terphenyl (SUR)	*124*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:58	**Site:**			
Sample #:	**417431-041**	**Client Sample #:**	B14-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**31.3**	1	1	mg/Kg		07/25/19	KLN	
Barium	**59.0**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**19.9**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**8.83**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**11.9**	1	1	mg/Kg		07/25/19	KLN	
Lead	**10.8**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**13.0**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**37.8**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**42.8**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.76	2.28	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*100*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*75*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*73*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:58	**Site:**			
Sample #:	**417431-041**	**Client Sample #:**	B14-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204421		
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:58	**Site:**			
Sample #:	**417431-041**	**Client Sample #:**	B14-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Methylene chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*115*	*70-145*	
4-Bromofluorobenzene (SUR)	*82*	*70-145*	
Dibromofluoromethane (SUR)	*101*	*70-145*	
Toluene-d8 (SUR)	*94*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204549

1-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Phenanthrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*88*	*30-120*	
Nitrobenzene-d5 (SUR)	*94*	*27-125*	
p-Terphenyl (SUR)	*83*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:00	**Site:**			
Sample #:	**417431-042**	**Client Sample #:**	B14-2'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1206111	
Arsenic	ND	1	1	mg/Kg		09/03/19	SBW	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 14:05	**Site:**			
Sample #:	**417431-043**	**Client Sample #:**	B14-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:30	**Site:**			
Sample #:	**417431-044**	**Client Sample #:**	B15-0.5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC*	Prep Method: EPA 3050B					QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**25.4**	1	1	mg/Kg		07/25/19	KLN	
Barium	**56.5**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	**0.53**	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**13.6**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**6.91**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**17.5**	1	1	mg/Kg		07/25/19	KLN	
Lead	**26.4**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**9.59**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/25/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**30.4**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**68.2**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC*	Prep Method: EPA 7471A					QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:32	**Site:**			
Sample #:	**417431-045**	**Client Sample #:**	B15-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**4.45**	1	1	mg/Kg		07/25/19	KLN	
Barium	**52.8**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**15.2**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**8.45**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**12.6**	1	1	mg/Kg		07/25/19	KLN	
Lead	**11.2**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**11.7**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/26/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**35.4**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**44.1**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.71	2.13	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*79*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*84*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*80*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:32	**Site:**			
Sample #:	**417431-045**	**Client Sample #:**	B15-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204421	
1,1,1,2-Tetrachloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,3-Dichloropropane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	1.1	110	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Acetone	ND	1.1	110	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Benzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:32	**Site:**			
Sample #:	**417431-045**	**Client Sample #:**	B15-1'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Methylene chloride	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Styrene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	1.1	11	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Toluene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	1.1	5.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	1.1	5.5	ug/Kg		07/20/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*109*	*70-145*	
4-Bromofluorobenzene (SUR)	*81*	*70-145*	
Dibromofluoromethane (SUR)	*99*	*70-145*	
Toluene-d8 (SUR)	*96*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204549

1-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(a)pyrene	**11**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(b)fluoranthene	**12**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(g,h,i)perylene	**11**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(k)fluoranthene	**13**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Chrysene	**14**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluoranthene	**27**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Indeno(1,2,3-cd)pyrene	**10**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Phenanthrene	**15**	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Pyrene	**25**	1	10	ug/Kg	07/24/19	07/26/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*74*	*30-120*	
Nitrobenzene-d5 (SUR)	*87*	*27-125*	
p-Terphenyl (SUR)	*79*	*33-155*	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:34	**Site:**			
Sample #:	**417431-046**	**Client Sample #:**	B15-2'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204342		
TPH (C6 to C12)	ND	0.68	2.04	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*105*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID: QC1204494		
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*99*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID: QC1204454		
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*77*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*81*		*50-150*					
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204421		
1,1,1,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,1-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,1-Dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,3-Trichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2,4-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dibromoethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3,5-Trimethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,3-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:34	**Site:**			
Sample #:	**417431-046**	**Client Sample #:**	B15-2'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
1,3-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
1,4-Dichlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2,2-Dichloropropane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
2-Butanone (MEK)	ND	0.7	70	ug/Kg		07/20/19	LZ	
2-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Chlorotoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Isopropyltoluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Acetone	ND	0.7	70	ug/Kg		07/20/19	LZ	
Allyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Benzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromochloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromodichloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromoform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Bromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Carbon Tetrachloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorobenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chlorodibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloroform	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Chloromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,2-Dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dibromomethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Dichlorodifluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Hexachlorobutadiene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Isopropylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
m and p-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methylene chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Naphthalene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
N-propylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
o-Xylene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Sec-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Styrene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
t-Butyl alcohol (TBA)	ND	0.7	7	ug/Kg		07/20/19	LZ	
Tert-amylmethylether (TAME)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tert-butylbenzene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Tetrachloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Toluene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,2-dichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,3-dichloropropene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichloroethene	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Trichlorofluoromethane	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Vinyl Chloride	ND	0.7	3.5	ug/Kg		07/20/19	LZ	
Xylenes (Total)	ND	0.7	3.5	ug/Kg		07/20/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 15:34	**Site:**			
Sample #:	**417431-046**	**Client Sample #:**	B15-2'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*115*		*70-145*					
4-Bromofluorobenzene (SUR)	*81*		*70-145*					
Dibromofluoromethane (SUR)	*101*		*70-145*					
Toluene-d8 (SUR)	*96*		*70-145*					
Method: EPA 8270CM	Prep Method: EPA 3545					QCBatchID:		QC1204549
1-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Phenanthrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
2-Fluorobiphenyl (SUR)	*68*		*30-120*					
Nitrobenzene-d5 (SUR)	*91*		*27-125*					
p-Terphenyl (SUR)	*70*		*33-155*					

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019 13:38	**Site:**			
Sample #:	**417431-047**	**Client Sample #:**	B15-5'	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method:	Prep Method:					QCBatchID:		
N/A	**N/A**	1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-048**	**Client Sample #:**	Dup-1	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	ND	1	1	mg/Kg		07/25/19	KLN	
Barium	**82.7**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**15.9**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**5.67**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**11.1**	1	1	mg/Kg		07/25/19	KLN	
Lead	**11.4**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**10.6**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/26/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**30.4**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**44.5**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.98	2.94	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*100*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	50	500	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	**900**	50	500	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*131*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204452	
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-048**	**Client Sample #:**	Dup-1	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/22/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/22/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methylene chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/22/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-048**	**Client Sample #:**	Dup-1	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
1,2-Dichloroethane-d4 (SUR)	*123*		*70-145*					
4-Bromofluorobenzene (SUR)	*97*		*70-145*					
Dibromofluoromethane (SUR)	*105*		*70-145*					
Toluene-d8 (SUR)	*97*		*70-145*					
Method: EPA 8270CM	Prep Method: EPA 3545					QCBatchID: QC1204549		
1-Methylnaphthalene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
2-Methylnaphthalene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Acenaphthene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Acenaphthylene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Anthracene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Benz(a)anthracene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Benzo(a)pyrene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Benzo(b)fluoranthene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Benzo(g,h,i)perylene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Benzo(k)fluoranthene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Chrysene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Dibenz(a,h)anthracene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Fluoranthene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Fluorene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Indeno(1,2,3-cd)pyrene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Naphthalene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Phenanthrene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Pyrene	ND	40	400	ug/Kg	07/24/19	07/26/19	MTS	D2
Surrogate	*% Recovery*		*Limits*	*Notes*				
2-Fluorobiphenyl (SUR)	*62*		*30-120*					
Nitrobenzene-d5 (SUR)	*304*		*27-125*	*S*				
p-Terphenyl (SUR)	*151*		*33-155*					

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-049**	**Client Sample #:**	Dup-2	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8082 *NELAC*	Prep Method: See Attached					QCBatchID:		
See Attached		1						

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-050**	**Client Sample #:**	Dup-3	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3050B						QCBatchID:	QC1204522	
Antimony	ND	1	3	mg/Kg		07/25/19	KLN	
Arsenic	**17.4**	1	1	mg/Kg		07/25/19	KLN	
Barium	**47.3**	1	1	mg/Kg		07/25/19	KLN	
Beryllium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Cadmium	ND	1	0.5	mg/Kg		07/25/19	KLN	
Chromium	**17.5**	1	1	mg/Kg		07/25/19	KLN	
Cobalt	**9.42**	1	0.5	mg/Kg		07/25/19	KLN	
Copper	**10.8**	1	1	mg/Kg		07/25/19	KLN	
Lead	**4.74**	1	1	mg/Kg		07/25/19	KLN	
Molybdenum	ND	1	1	mg/Kg		07/25/19	KLN	
Nickel	**12.8**	1	1.5	mg/Kg		07/25/19	KLN	
Selenium	ND	1	3	mg/Kg		07/25/19	KLN	
Silver	ND	1	0.5	mg/Kg		07/26/19	KLN	
Thallium	ND	1	3	mg/Kg		07/25/19	KLN	
Vanadium	**36.9**	1	0.5	mg/Kg		07/25/19	KLN	
Zinc	**41.3**	1	5	mg/Kg		07/25/19	KLN	
Method: EPA 7471A *NELAC* Prep Method: EPA 7471A						QCBatchID:	QC1204545	
Mercury	ND	1	0.14	mg/Kg		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 5035A						QCBatchID:	QC1204342	
TPH (C6 to C12)	ND	0.79	2.37	mg/Kg		07/23/19	EW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
4-Bromofluorobenzene (SUR)	*95*		*60-140*					
Method: EPA 8015M Prep Method: EPA 3580A						QCBatchID:	QC1204494	
TPH (C13 to C22)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	10	mg/Kg	07/23/19	07/24/19	TW	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Triacontane (SUR)	*88*		*50-150*					
Method: EPA 8081A *NELAC* Prep Method: EPA 3545						QCBatchID:	QC1204454	
4,4'-DDD	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDE	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
4,4'-DDT	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
a-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Aldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
b-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Chlordane (technical)	ND	1	50	ug/Kg	07/22/19	07/24/19	SS	
d-BHC	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Dieldrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan I	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan II	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endosulfan sulfate	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Endrin aldehyde	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	L
Endrin Ketone	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Heptachlor epoxide	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Lindane (Gamma-BHC)	ND	1	5	ug/Kg	07/22/19	07/24/19	SS	
Methoxychlor	ND	1	10	ug/Kg	07/22/19	07/24/19	SS	
Toxaphene	ND	1	100	ug/Kg	07/22/19	07/24/19	SS	
Surrogate	*% Recovery*		*Limits*	*Notes*				
Decachlorobiphenyl DCB (SUR)	*64*		*24.4-119.9*					
Tetrachloro-m-xylene TCMX (SUR)	*56*		*50-150*					
Method: EPA 8082 *NELAC* Prep Method: See Attached						QCBatchID:		

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-050**	**Client Sample #:**	Dup-3	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1						
Method: EPA 8260B *NELAC* Prep Method: EPA 5035A						QCBatchID: QC1204452		
1,1,1,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,1-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2,2-Tetrachloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,1-Dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,3-Trichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2,4-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromo-3-chloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dibromoethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3,5-Trimethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,3-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
1,4-Dichlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2,2-Dichloropropane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
2-Butanone (MEK)	ND	0.9	90	ug/Kg		07/22/19	LZ	
2-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Chlorotoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Isopropyltoluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Acetone	ND	0.9	90	ug/Kg		07/22/19	LZ	
Allyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Benzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromochloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromodichloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromoform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Bromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Carbon Tetrachloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorobenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chlorodibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloroform	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Chloromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,2-Dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
cis-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dibromomethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Dichlorodifluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Di-isopropyl ether (DIPE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Hexachlorobutadiene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Isopropylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
m and p-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Matrix:	Solid	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-050**	**Client Sample #:**	Dup-3	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Methylene chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Naphthalene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
N-propylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
o-Xylene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Sec-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Styrene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
t-Butyl alcohol (TBA)	ND	0.9	9	ug/Kg		07/22/19	LZ	
Tert-amylmethylether (TAME)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tert-butylbenzene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Tetrachloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Toluene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,2-dichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,3-dichloropropene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
trans-1,4-dichloro-2-butene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichloroethene	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Trichlorofluoromethane	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Vinyl Chloride	ND	0.9	4.5	ug/Kg		07/22/19	LZ	
Xylenes (Total)	ND	0.9	4.5	ug/Kg		07/22/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*112*	*70-145*	
4-Bromofluorobenzene (SUR)	*89*	*70-145*	
Dibromofluoromethane (SUR)	*99*	*70-145*	
Toluene-d8 (SUR)	*98*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3545 QCBatchID: QC1204549

1-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
2-Methylnaphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Acenaphthylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benz(a)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(a)pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(b)fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(g,h,i)perylene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Benzo(k)fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Chrysene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Dibenz(a,h)anthracene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluoranthene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Fluorene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Indeno(1,2,3-cd)pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Naphthalene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Phenanthrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	
Pyrene	ND	1	10	ug/Kg	07/24/19	07/26/19	MTS	

Surrogate	*% Recovery*	*Limits*	*Notes*
2-Fluorobiphenyl (SUR)	*63*	*30-120*	
Nitrobenzene-d5 (SUR)	*66*	*27-125*	
p-Terphenyl (SUR)	*79*	*33-155*	

Matrix:	Water	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-051**	**Client Sample #:**	EB-02	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B *NELAC* Prep Method: EPA 3010A						QCBatchID:	QC1204463	
Antimony	ND	1	0.04	mg/L		07/23/19	KLN	
Arsenic	ND	1	0.01	mg/L		07/23/19	KLN	
Barium	ND	1	0.01	mg/L		07/23/19	KLN	
Beryllium	ND	1	0.005	mg/L		07/23/19	KLN	
Cadmium	ND	1	0.005	mg/L		07/23/19	KLN	
Chromium	ND	1	0.01	mg/L		07/23/19	KLN	
Cobalt	ND	1	0.005	mg/L		07/23/19	KLN	
Copper	ND	1	0.01	mg/L		07/23/19	KLN	
Lead	ND	1	0.01	mg/L		07/23/19	KLN	
Molybdenum	ND	1	0.01	mg/L		07/23/19	KLN	
Nickel	ND	1	0.02	mg/L		07/23/19	KLN	
Selenium	ND	1	0.03	mg/L		07/23/19	KLN	
Silver	ND	1	0.005	mg/L		07/23/19	KLN	L
Thallium	ND	1	0.05	mg/L		07/23/19	KLN	
Vanadium	ND	1	0.005	mg/L		07/23/19	KLN	
Zinc	ND	1	0.05	mg/L		07/23/19	KLN	
Method: EPA 7470A *NELAC* Prep Method: Method						QCBatchID:	QC1204548	
Mercury	ND	1	0.4	ug/L		07/24/19	KLN	
Method: EPA 8015B *NELAC* Prep Method: EPA 3510C						QCBatchID:	QC1204505	
TPH (C13 to C22)	ND	1	0.2	mg/L	07/23/19	07/24/19	TW	
TPH (C23 to C40)	ND	1	0.3	mg/L	07/23/19	07/24/19	TW	

Surrogate	*% Recovery*	*Limits*	*Notes*
Triacontane (SUR)	*90*	*50-150*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015B *NELAC* Prep Method: EPA 5030B						QCBatchID:	QC1204088	
TPH (C6 to C12)	ND	1	50	ug/L		07/23/19	EW	

Surrogate	*% Recovery*	*Limits*	*Notes*
4-Bromofluorobenzene (SUR)	*109*	*60-140*	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8081A *NELAC* Prep Method: EPA 3510C						QCBatchID:	QC1204611	
4,4'-DDD	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
4,4'-DDE	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
4,4'-DDT	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
a-BHC	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Aldrin	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
b-BHC	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Chlordane (technical)	ND	1	1	ug/L	07/25/19	07/25/19	SS	
d-BHC	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Dieldrin	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Endosulfan I	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Endosulfan II	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Endosulfan sulfate	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Endrin	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Endrin aldehyde	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Endrin Ketone	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Heptachlor	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Heptachlor epoxide	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Lindane (Gamma-BHC)	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Methoxychlor	ND	1	0.1	ug/L	07/25/19	07/25/19	SS	
Toxaphene	ND	1	2	ug/L	07/25/19	07/25/19	SS	

Surrogate	*% Recovery*	*Limits*	*Notes*
Decachlorobiphenyl DCB (SUR)	*83*	*50-150*	
Tetrachloro-m-xylene TCMX (SUR)	*77*	*50-150*	

Method: EPA 8082 *NELAC* Prep Method: EPA 3510C QCBatchID: QC1204612

Matrix:	Water	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-051**	**Client Sample #:**	EB-02	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
PCB-1016	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1221	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1232	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1242	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1248	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1254	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1260	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1262	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	
PCB-1268	ND	1	0.5	ug/L	07/25/19	07/25/19	SS	

Surrogate	*% Recovery*	*Limits*	*Notes*
Decachlorobiphenyl DCB (SUR)	*83*	*50-150*	

Method: EPA 8260B *NELAC* Prep Method: EPA 5030B QCBatchID: QC1204403

1,1,1,2-Tetrachloroethane	ND	1	5	ug/L		07/19/19	LZ
1,1,1-Trichloroethane	ND	1	5	ug/L		07/19/19	LZ
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L		07/19/19	LZ
1,1,2-Trichloroethane	ND	1	5	ug/L		07/19/19	LZ
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L		07/19/19	LZ
1,1-Dichloroethane	ND	1	5	ug/L		07/19/19	LZ
1,1-Dichloroethene	ND	1	5	ug/L		07/19/19	LZ
1,1-Dichloropropene	ND	1	5	ug/L		07/19/19	LZ
1,2,3-Trichlorobenzene	ND	1	5	ug/L		07/19/19	LZ
1,2,3-Trichloropropane	ND	1	5	ug/L		07/19/19	LZ
1,2,4-Trichlorobenzene	ND	1	5	ug/L		07/19/19	LZ
1,2,4-Trimethylbenzene	ND	1	5	ug/L		07/19/19	LZ
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L		07/19/19	LZ
1,2-Dibromoethane	ND	1	5	ug/L		07/19/19	LZ
1,2-Dichlorobenzene	ND	1	5	ug/L		07/19/19	LZ
1,2-Dichloroethane	ND	1	5	ug/L		07/19/19	LZ
1,2-Dichloropropane	ND	1	5	ug/L		07/19/19	LZ
1,3,5-Trimethylbenzene	ND	1	5	ug/L		07/19/19	LZ
1,3-Dichlorobenzene	ND	1	5	ug/L		07/19/19	LZ
1,3-Dichloropropane	ND	1	5	ug/L		07/19/19	LZ
1,4-Dichlorobenzene	ND	1	5	ug/L		07/19/19	LZ
2,2-Dichloropropane	ND	1	5	ug/L		07/19/19	LZ
2-Butanone (MEK)	ND	1	100	ug/L		07/19/19	LZ
2-Chlorotoluene	ND	1	5	ug/L		07/19/19	LZ
4-Chlorotoluene	ND	1	5	ug/L		07/19/19	LZ
4-Isopropyltoluene	ND	1	5	ug/L		07/19/19	LZ
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/L		07/19/19	LZ
Acetone	ND	1	100	ug/L		07/19/19	LZ
Allyl Chloride	ND	1	5	ug/L		07/19/19	LZ
Benzene	ND	1	1	ug/L		07/19/19	LZ
Bromobenzene	ND	1	5	ug/L		07/19/19	LZ
Bromochloromethane	ND	1	5	ug/L		07/19/19	LZ
Bromodichloromethane	ND	1	5	ug/L		07/19/19	LZ
Bromoform	ND	1	5	ug/L		07/19/19	LZ
Bromomethane	ND	1	5	ug/L		07/19/19	LZ
Carbon Tetrachloride	ND	1	5	ug/L		07/19/19	LZ
Chlorobenzene	ND	1	5	ug/L		07/19/19	LZ
Chlorodibromomethane	ND	1	5	ug/L		07/19/19	LZ
Chloroethane	ND	1	5	ug/L		07/19/19	LZ
Chloroform	ND	1	5	ug/L		07/19/19	LZ
Chloromethane	ND	1	5	ug/L		07/19/19	LZ
cis-1,2-Dichloroethene	ND	1	5	ug/L		07/19/19	LZ

Matrix:	Water	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-051**	**Client Sample #:**	EB-02	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
cis-1,3-dichloropropene	ND	1	5	ug/L		07/19/19	LZ	
cis-1,4-dichloro-2-butene	ND	1	5	ug/L		07/19/19	LZ	
Dibromomethane	ND	1	5	ug/L		07/19/19	LZ	
Dichlorodifluoromethane	ND	1	5	ug/L		07/19/19	LZ	
Di-isopropyl ether (DIPE)	ND	1	1	ug/L		07/19/19	LZ	
Ethylbenzene	ND	1	5	ug/L		07/19/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L		07/19/19	LZ	
Hexachlorobutadiene	ND	1	5	ug/L		07/19/19	LZ	
Isopropylbenzene	ND	1	5	ug/L		07/19/19	LZ	
m and p-Xylene	ND	1	5	ug/L		07/19/19	LZ	
Methylene chloride	ND	1	5	ug/L		07/19/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1	ug/L		07/19/19	LZ	
Naphthalene	ND	1	5	ug/L		07/19/19	LZ	
N-butylbenzene	ND	1	5	ug/L		07/19/19	LZ	
N-propylbenzene	ND	1	5	ug/L		07/19/19	LZ	
o-Xylene	ND	1	5	ug/L		07/19/19	LZ	
Sec-butylbenzene	ND	1	5	ug/L		07/19/19	LZ	
Styrene	ND	1	5	ug/L		07/19/19	LZ	
t-Butyl alcohol (TBA)	ND	1	10	ug/L		07/19/19	LZ	
Tert-amylmethylether (TAME)	ND	1	5	ug/L		07/19/19	LZ	
Tert-butylbenzene	ND	1	5	ug/L		07/19/19	LZ	
Tetrachloroethene	ND	1	5	ug/L		07/19/19	LZ	
Toluene	ND	1	5	ug/L		07/19/19	LZ	
trans-1,2-dichloroethene	ND	1	5	ug/L		07/19/19	LZ	
trans-1,3-dichloropropene	ND	1	5	ug/L		07/19/19	LZ	
trans-1,4-dichloro-2-butene	ND	1	5	ug/L		07/19/19	LZ	
Trichloroethene	ND	1	5	ug/L		07/19/19	LZ	
Trichlorofluoromethane	ND	1	5	ug/L		07/19/19	LZ	
Vinyl Chloride	ND	1	5	ug/L		07/19/19	LZ	
Xylenes (Total)	ND	1	5	ug/L		07/19/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromofluoromethane (SUR)	*106*	*70-145*	
Toluene-d8 (SUR)	*102*	*70-145*	

Method: EPA 8270CM Prep Method: EPA 3510C QCBatchID: QC1204606

1-Methylnaphthalene	ND	1	0.5	ug/L	07/24/19	07/26/19
2-Methylnaphthalene	ND	1	0.5	ug/L	07/24/19	07/26/19
Acenaphthene	ND	1	0.5	ug/L	07/24/19	07/26/19
Acenaphthylene	ND	1	0.5	ug/L	07/24/19	07/26/19
Anthracene	ND	1	0.5	ug/L	07/24/19	07/26/19
Benz(a)anthracene	ND	1	0.5	ug/L	07/24/19	07/26/19
Benzo(a)pyrene	ND	1	0.5	ug/L	07/24/19	07/26/19
Benzo(b)fluoranthene	ND	1	0.5	ug/L	07/24/19	07/26/19
Benzo(g,h,i)perylene	ND	1	0.5	ug/L	07/24/19	07/26/19
Benzo(k)fluoranthene	ND	1	0.5	ug/L	07/24/19	07/26/19
Chrysene	ND	1	0.5	ug/L	07/24/19	07/26/19
Dibenz(a,h)anthracene	ND	1	0.5	ug/L	07/24/19	07/26/19
Fluoranthene	ND	1	0.5	ug/L	07/24/19	07/26/19
Fluorene	ND	1	0.5	ug/L	07/24/19	07/26/19
Indeno(1,2,3-cd)pyrene	ND	1	0.5	ug/L	07/24/19	07/26/19
Naphthalene	ND	1	0.5	ug/L	07/24/19	07/26/19
Phenanthrene	ND	1	0.5	ug/L	07/24/19	07/26/19
Pyrene	ND	1	0.5	ug/L	07/24/19	07/26/19

Matrix:	Water	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-051**	**Client Sample #:**	EB-02	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Surrogate	*% Recovery*		*Limits*	*Notes*				
2-Fluorobiphenyl (SUR)	*46*		*45-118*					
Nitrobenzene-d5 (SUR)	*60*		*41-119*					
p-Terphenyl (SUR)	*44*		*71-134*	*S*				

Matrix:	Water	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-052**	**Client Sample #:**	TB-02	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B *NELAC* Prep Method: EPA 5030B						QCBatchID: QC1204403		
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L		07/19/19	LZ	
1,1,1-Trichloroethane	ND	1	5	ug/L		07/19/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L		07/19/19	LZ	
1,1,2-Trichloroethane	ND	1	5	ug/L		07/19/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L		07/19/19	LZ	
1,1-Dichloroethane	ND	1	5	ug/L		07/19/19	LZ	
1,1-Dichloroethene	ND	1	5	ug/L		07/19/19	LZ	
1,1-Dichloropropene	ND	1	5	ug/L		07/19/19	LZ	
1,2,3-Trichlorobenzene	ND	1	5	ug/L		07/19/19	LZ	
1,2,3-Trichloropropane	ND	1	5	ug/L		07/19/19	LZ	
1,2,4-Trichlorobenzene	ND	1	5	ug/L		07/19/19	LZ	
1,2,4-Trimethylbenzene	ND	1	5	ug/L		07/19/19	LZ	
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L		07/19/19	LZ	
1,2-Dibromoethane	ND	1	5	ug/L		07/19/19	LZ	
1,2-Dichlorobenzene	ND	1	5	ug/L		07/19/19	LZ	
1,2-Dichloroethane	ND	1	5	ug/L		07/19/19	LZ	
1,2-Dichloropropane	ND	1	5	ug/L		07/19/19	LZ	
1,3,5-Trimethylbenzene	ND	1	5	ug/L		07/19/19	LZ	
1,3-Dichlorobenzene	ND	1	5	ug/L		07/19/19	LZ	
1,3-Dichloropropane	ND	1	5	ug/L		07/19/19	LZ	
1,4-Dichlorobenzene	ND	1	5	ug/L		07/19/19	LZ	
2,2-Dichloropropane	ND	1	5	ug/L		07/19/19	LZ	
2-Butanone (MEK)	ND	1	100	ug/L		07/19/19	LZ	
2-Chlorotoluene	ND	1	5	ug/L		07/19/19	LZ	
4-Chlorotoluene	ND	1	5	ug/L		07/19/19	LZ	
4-Isopropyltoluene	ND	1	5	ug/L		07/19/19	LZ	
4-Methyl-2-pentanone (MIBK)	ND	1	5	ug/L		07/19/19	LZ	
Acetone	ND	1	100	ug/L		07/19/19	LZ	
Allyl Chloride	ND	1	5	ug/L		07/19/19	LZ	
Benzene	ND	1	1	ug/L		07/19/19	LZ	
Bromobenzene	ND	1	5	ug/L		07/19/19	LZ	
Bromochloromethane	ND	1	5	ug/L		07/19/19	LZ	
Bromodichloromethane	ND	1	5	ug/L		07/19/19	LZ	
Bromoform	ND	1	5	ug/L		07/19/19	LZ	
Bromomethane	ND	1	5	ug/L		07/19/19	LZ	
Carbon Tetrachloride	ND	1	5	ug/L		07/19/19	LZ	
Chlorobenzene	ND	1	5	ug/L		07/19/19	LZ	
Chlorodibromomethane	ND	1	5	ug/L		07/19/19	LZ	
Chloroethane	ND	1	5	ug/L		07/19/19	LZ	
Chloroform	ND	1	5	ug/L		07/19/19	LZ	
Chloromethane	ND	1	5	ug/L		07/19/19	LZ	
cis-1,2-Dichloroethene	ND	1	5	ug/L		07/19/19	LZ	
cis-1,3-dichloropropene	ND	1	5	ug/L		07/19/19	LZ	
cis-1,4-dichloro-2-butene	ND	1	5	ug/L		07/19/19	LZ	
Dibromomethane	ND	1	5	ug/L		07/19/19	LZ	
Dichlorodifluoromethane	ND	1	5	ug/L		07/19/19	LZ	
Di-isopropyl ether (DIPE)	ND	1	1	ug/L		07/19/19	LZ	
Ethylbenzene	ND	1	5	ug/L		07/19/19	LZ	
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L		07/19/19	LZ	
Hexachlorobutadiene	ND	1	5	ug/L		07/19/19	LZ	
Isopropylbenzene	ND	1	5	ug/L		07/19/19	LZ	
m and p-Xylene	ND	1	5	ug/L		07/19/19	LZ	
Methylene chloride	ND	1	5	ug/L		07/19/19	LZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1	ug/L		07/19/19	LZ	

Matrix:	Water	**Client:**	Ninyo & Moore	**Collector:**	Client
Sampled:	07/18/2019	**Site:**			
Sample #:	**417431-052**	**Client Sample #:**	TB-02	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Naphthalene	ND	1	5	ug/L		07/19/19	LZ	
N-butylbenzene	ND	1	5	ug/L		07/19/19	LZ	
N-propylbenzene	ND	1	5	ug/L		07/19/19	LZ	
o-Xylene	ND	1	5	ug/L		07/19/19	LZ	
Sec-butylbenzene	ND	1	5	ug/L		07/19/19	LZ	
Styrene	ND	1	5	ug/L		07/19/19	LZ	
t-Butyl alcohol (TBA)	ND	1	10	ug/L		07/19/19	LZ	
Tert-amylmethylether (TAME)	ND	1	5	ug/L		07/19/19	LZ	
Tert-butylbenzene	ND	1	5	ug/L		07/19/19	LZ	
Tetrachloroethene	ND	1	5	ug/L		07/19/19	LZ	
Toluene	ND	1	5	ug/L		07/19/19	LZ	
trans-1,2-dichloroethene	ND	1	5	ug/L		07/19/19	LZ	
trans-1,3-dichloropropene	ND	1	5	ug/L		07/19/19	LZ	
trans-1,4-dichloro-2-butene	ND	1	5	ug/L		07/19/19	LZ	
Trichloroethene	ND	1	5	ug/L		07/19/19	LZ	
Trichlorofluoromethane	ND	1	5	ug/L		07/19/19	LZ	
Vinyl Chloride	ND	1	5	ug/L		07/19/19	LZ	
Xylenes (Total)	ND	1	5	ug/L		07/19/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromofluoromethane (SUR)	*103*	*70-145*	
Toluene-d8 (SUR)	*117*	*70-145*	

QCBatchID:	**QC1204088**	**Analyst:**	sandyw	**Method:**	EPA 8015B
Matrix:	Water	**Analyzed:**	07/23/2019	**Instrument:**	VOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204088MB1					
TPH (C6 to C10)	ND	ug/L		50	
TPH (C6 to C12)	ND	ug/L		50	
TPH Gasoline	ND	ug/L		50	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204088LCS1											
TPH Gasoline	500		520		ug/L	104			70-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204088MS1, QC1204088MSD1												**Source: 417404-001**
TPH Gasoline	ND	500	500	500	490	ug/L	100	98	2.0	70-130	30	

QCBatchID:	**QC1204342**	**Analyst:**	sandyw	**Method:**	EPA 8015B
Matrix:	Solid	**Analyzed:**	07/23/2019	**Instrument:**	VOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204342MB1					
TPH (C6 to C12)	ND	mg/Kg		3	
TPH Gasoline	ND	mg/Kg		3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1204342LCS1, QC1204342LCSD1											
TPH Gasoline	5	5	5.7	6.0	mg/Kg	114	120	5	70-130	20	

QCBatchID: QC1204392	Analyst: lucy	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/19/2019	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204392MB1					
1,1,1,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,1-Trichloroethane	ND	ug/Kg		5	
1,1,2,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,2-Trichloroethane	ND	ug/Kg		5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg		5	
1,1-Dichloroethane	ND	ug/Kg		5	
1,1-Dichloroethene	ND	ug/Kg		5	
1,1-Dichloropropene	ND	ug/Kg		5	
1,2,3-Trichlorobenzene	ND	ug/Kg		5	
1,2,3-Trichloropropane	ND	ug/Kg		5	
1,2,4-Trichlorobenzene	ND	ug/Kg		5	
1,2,4-Trimethylbenzene	ND	ug/Kg		5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg		5	
1,2-Dibromoethane	ND	ug/Kg		5	
1,2-Dichlorobenzene	ND	ug/Kg		5	
1,2-Dichloroethane	ND	ug/Kg		5	
1,2-Dichloropropane	ND	ug/Kg		5	
1,3,5-Trimethylbenzene	ND	ug/Kg		5	
1,3-Dichlorobenzene	ND	ug/Kg		5	
1,3-Dichloropropane	ND	ug/Kg		5	
1,4-Dichlorobenzene	ND	ug/Kg		5	
2,2-Dichloropropane	ND	ug/Kg		5	
2-Butanone (MEK)	ND	ug/Kg		100	
2-Chlorotoluene	ND	ug/Kg		5	
4-Chlorotoluene	ND	ug/Kg		5	
4-Isopropyltoluene	ND	ug/Kg		5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg		5	
Acetone	ND	ug/Kg		100	
Allyl Chloride	ND	ug/Kg		5	
Benzene	ND	ug/Kg		5	
Bromobenzene	ND	ug/Kg		5	
Bromochloromethane	ND	ug/Kg		5	
Bromodichloromethane	ND	ug/Kg		5	
Bromoform	ND	ug/Kg		5	
Bromomethane	ND	ug/Kg		5	
Carbon Tetrachloride	ND	ug/Kg		5	
Chlorobenzene	ND	ug/Kg		5	
Chlorodibromomethane	ND	ug/Kg		5	
Chloroethane	ND	ug/Kg		5	
Chloroform	ND	ug/Kg		5	
Chloromethane	ND	ug/Kg		5	
cis-1,2-Dichloroethene	ND	ug/Kg		5	
cis-1,3-dichloropropene	ND	ug/Kg		5	
cis-1,4-dichloro-2-butene	ND	ug/Kg		5	
Dibromomethane	ND	ug/Kg		5	
Dichlorodifluoromethane	ND	ug/Kg		5	
Di-isopropyl ether (DIPE)	ND	ug/Kg		5	
Ethylbenzene	ND	ug/Kg		5	
Ethyl-tertbutylether (ETBE)	ND	ug/Kg		5	
Hexachlorobutadiene	ND	ug/Kg		5	
Isopropylbenzene	ND	ug/Kg		5	
m and p-Xylene	ND	ug/Kg		5	

QCBatchID: QC1204392	Analyst: lucy	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/19/2019	Instrument: VOA-MS (group)

Analyte	Blank Result	Units		RDL	Notes
QC1204392MB1					
Methylene chloride	ND	ug/Kg		5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg		5	
Naphthalene	ND	ug/Kg		5	
N-butylbenzene	ND	ug/Kg		5	
N-propylbenzene	ND	ug/Kg		5	
o-Xylene	ND	ug/Kg		5	
Sec-butylbenzene	ND	ug/Kg		5	
Styrene	ND	ug/Kg		5	
t-Butyl alcohol (TBA)	ND	ug/Kg		10	
Tert-amylmethylether (TAME)	ND	ug/Kg		5	
Tert-butylbenzene	ND	ug/Kg		5	
Tetrachloroethene	ND	ug/Kg		5	
Toluene	ND	ug/Kg		5	
trans-1,2-dichloroethene	ND	ug/Kg		5	
trans-1,3-dichloropropene	ND	ug/Kg		5	
trans-1,4-dichloro-2-butene	ND	ug/Kg		5	
Trichloroethene	ND	ug/Kg		5	
Trichlorofluoromethane	ND	ug/Kg		5	
Vinyl Chloride	ND	ug/Kg		5	
Xylenes (Total)	ND	ug/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204392LCS1											
1,1-Dichloroethene	50		60		ug/Kg	120			59-172		
Benzene	50		55		ug/Kg	110			62-137		
Chlorobenzene	50		54		ug/Kg	108			60-133		
Methyl-t-butyl Ether (MTBE)	50		49		ug/Kg	98			62-137		
Toluene	50		55		ug/Kg	110			59-139		
Trichloroethene	50		51		ug/Kg	102			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204392MS1, QC1204392MSD1												**Source: 417378-009**
1,1-Dichloroethene	ND	50	50	52	53	ug/Kg	104	106	1.9	59-172	22	
Benzene	ND	50	50	46	46	ug/Kg	92	92	0.0	62-137	24	
Chlorobenzene	ND	50	50	40	38	ug/Kg	80	76	5.1	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	43	43	ug/Kg	86	86	0.0	62-137	21	
Toluene	ND	50	50	43	42	ug/Kg	86	84	2.4	59-139	21	
Trichloroethene	ND	50	50	41	40	ug/Kg	82	80	2.5	66-142	21	

QCBatchID: QC1204403	Analyst: lucy	Method: EPA 8260B
Matrix: Water	Analyzed: 07/19/2019	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204403MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L		5	
1,1,1-Trichloroethane	ND	ug/L		5	
1,1,2,2-Tetrachloroethane	ND	ug/L		5	
1,1,2-Trichloroethane	ND	ug/L		5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L		5	
1,1-Dichloroethane	ND	ug/L		5	
1,1-Dichloroethene	ND	ug/L		5	
1,1-Dichloropropene	ND	ug/L		5	
1,2,3-Trichlorobenzene	ND	ug/L		5	
1,2,3-Trichloropropane	ND	ug/L		5	
1,2,4-Trichlorobenzene	ND	ug/L		5	
1,2,4-Trimethylbenzene	ND	ug/L		5	
1,2-Dibromo-3-chloropropane	ND	ug/L		5	
1,2-Dibromoethane	ND	ug/L		5	
1,2-Dichlorobenzene	ND	ug/L		5	
1,2-Dichloroethane	ND	ug/L		5	
1,2-Dichloropropane	ND	ug/L		5	
1,3,5-Trimethylbenzene	ND	ug/L		5	
1,3-Dichlorobenzene	ND	ug/L		5	
1,3-Dichloropropane	ND	ug/L		5	
1,4-Dichlorobenzene	ND	ug/L		5	
2,2-Dichloropropane	ND	ug/L		5	
2-Butanone (MEK)	ND	ug/L		100	
2-Chlorotoluene	ND	ug/L		5	
4-Chlorotoluene	ND	ug/L		5	
4-Isopropyltoluene	ND	ug/L		5	
4-Methyl-2-pentanone (MIBK)	ND	ug/L		5	
Acetone	ND	ug/L		100	
Allyl Chloride	ND	ug/L		5	
Benzene	ND	ug/L		1	
Bromobenzene	ND	ug/L		5	
Bromochloromethane	ND	ug/L		5	
Bromodichloromethane	ND	ug/L		5	
Bromoform	ND	ug/L		5	
Bromomethane	ND	ug/L		5	
Carbon Tetrachloride	ND	ug/L		5	
Chlorobenzene	ND	ug/L		5	
Chlorodibromomethane	ND	ug/L		5	
Chloroethane	ND	ug/L		5	
Chloroform	ND	ug/L		5	
Chloromethane	ND	ug/L		5	
cis-1,2-Dichloroethene	ND	ug/L		5	
cis-1,3-dichloropropene	ND	ug/L		5	
cis-1,4-dichloro-2-butene	ND	ug/L		5	
Dibromomethane	ND	ug/L		5	
Dichlorodifluoromethane	ND	ug/L		5	
Di-isopropyl ether (DIPE)	ND	ug/L		1	
Ethylbenzene	ND	ug/L		5	
Ethyl-tertbutylether (ETBE)	ND	ug/L		1	
Hexachlorobutadiene	ND	ug/L		5	
Isopropylbenzene	ND	ug/L		5	
m and p-Xylene	ND	ug/L		5	

QCBatchID: QC1204403	Analyst: lucy	Method: EPA 8260B
Matrix: Water	Analyzed: 07/19/2019	Instrument: VOA-MS (group)

Analyte	Blank Result	Units		RDL	Notes
QC1204403MB1					
Methylene chloride	**17**	ug/L		5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L		1	
Naphthalene	ND	ug/L		5	
N-butylbenzene	ND	ug/L		5	
N-propylbenzene	ND	ug/L		5	
o-Xylene	ND	ug/L		5	
Sec-butylbenzene	ND	ug/L		5	
Styrene	ND	ug/L		5	
t-Butyl alcohol (TBA)	ND	ug/L		10	
Tert-amylmethylether (TAME)	ND	ug/L		5	
Tert-butylbenzene	ND	ug/L		5	
Tetrachloroethene	ND	ug/L		5	
Toluene	ND	ug/L		5	
trans-1,2-dichloroethene	ND	ug/L		5	
trans-1,3-dichloropropene	ND	ug/L		5	
trans-1,4-dichloro-2-butene	ND	ug/L		5	
Trichloroethene	ND	ug/L		5	
Trichlorofluoromethane	ND	ug/L		5	
Vinyl Chloride	ND	ug/L		5	
Xylenes (Total)	ND	ug/L		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204403LCS1, QC1204403LCSD1											
1,1-Dichloroethene	50	50	56	55	ug/L	112	110	2	59-172	22	
Benzene	50	50	53	52	ug/L	106	104	2	62-137	24	
Chlorobenzene	50	50	56	54	ug/L	112	108	4	60-133	24	
Methyl-t-butyl Ether (MTBE)	50	50	52	48	ug/L	104	96	8	62-137	21	
Toluene	50	50	56	55	ug/L	112	110	2	59-139	21	
Trichloroethene	50	50	59	58	ug/L	118	116	2	66-142	21	

QCBatchID: QC1204421	Analyst: lucy	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/19/2019	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204421MB1					
1,1,1,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,1-Trichloroethane	ND	ug/Kg		5	
1,1,2,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,2-Trichloroethane	ND	ug/Kg		5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg		5	
1,1-Dichloroethane	ND	ug/Kg		5	
1,1-Dichloroethene	ND	ug/Kg		5	
1,1-Dichloropropene	ND	ug/Kg		5	
1,2,3-Trichlorobenzene	ND	ug/Kg		5	
1,2,3-Trichloropropane	ND	ug/Kg		5	
1,2,4-Trichlorobenzene	ND	ug/Kg		5	
1,2,4-Trimethylbenzene	ND	ug/Kg		5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg		5	
1,2-Dibromoethane	ND	ug/Kg		5	
1,2-Dichlorobenzene	ND	ug/Kg		5	
1,2-Dichloroethane	ND	ug/Kg		5	
1,2-Dichloropropane	ND	ug/Kg		5	
1,3,5-Trimethylbenzene	ND	ug/Kg		5	
1,3-Dichlorobenzene	ND	ug/Kg		5	
1,3-Dichloropropane	ND	ug/Kg		5	
1,4-Dichlorobenzene	ND	ug/Kg		5	
2,2-Dichloropropane	ND	ug/Kg		5	
2-Butanone (MEK)	ND	ug/Kg		100	
2-Chlorotoluene	ND	ug/Kg		5	
4-Chlorotoluene	ND	ug/Kg		5	
4-Isopropyltoluene	ND	ug/Kg		5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg		5	
Acetone	ND	ug/Kg		100	
Allyl Chloride	ND	ug/Kg		5	
Benzene	ND	ug/Kg		5	
Bromobenzene	ND	ug/Kg		5	
Bromochloromethane	ND	ug/Kg		5	
Bromodichloromethane	ND	ug/Kg		5	
Bromoform	ND	ug/Kg		5	
Bromomethane	ND	ug/Kg		5	
Carbon Tetrachloride	ND	ug/Kg		5	
Chlorobenzene	ND	ug/Kg		5	
Chlorodibromomethane	ND	ug/Kg		5	
Chloroethane	ND	ug/Kg		5	
Chloroform	ND	ug/Kg		5	
Chloromethane	ND	ug/Kg		5	
cis-1,2-Dichloroethene	ND	ug/Kg		5	
cis-1,3-dichloropropene	ND	ug/Kg		5	
cis-1,4-dichloro-2-butene	ND	ug/Kg		5	
Dibromomethane	ND	ug/Kg		5	
Dichlorodifluoromethane	ND	ug/Kg		5	
Di-isopropyl ether (DIPE)	ND	ug/Kg		5	
Ethylbenzene	ND	ug/Kg		5	
Ethyl-tertbutylether (ETBE)	ND	ug/Kg		5	
Hexachlorobutadiene	ND	ug/Kg		5	
Isopropylbenzene	ND	ug/Kg		5	
m and p-Xylene	ND	ug/Kg		5	

QCBatchID: QC1204421	Analyst: lucy	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/19/2019	Instrument: VOA-MS (group)

Analyte	Blank Result	Units		RDL	Notes
QC1204421MB1					
Methylene chloride	ND	ug/Kg		5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg		5	
Naphthalene	ND	ug/Kg		5	
N-butylbenzene	ND	ug/Kg		5	
N-propylbenzene	ND	ug/Kg		5	
o-Xylene	ND	ug/Kg		5	
Sec-butylbenzene	ND	ug/Kg		5	
Styrene	ND	ug/Kg		5	
t-Butyl alcohol (TBA)	ND	ug/Kg		10	
Tert-amylmethylether (TAME)	ND	ug/Kg		5	
Tert-butylbenzene	ND	ug/Kg		5	
Tetrachloroethene	ND	ug/Kg		5	
Toluene	ND	ug/Kg		5	
trans-1,2-dichloroethene	ND	ug/Kg		5	
trans-1,3-dichloropropene	ND	ug/Kg		5	
trans-1,4-dichloro-2-butene	ND	ug/Kg		5	
Trichloroethene	ND	ug/Kg		5	
Trichlorofluoromethane	ND	ug/Kg		5	
Vinyl Chloride	ND	ug/Kg		5	
Xylenes (Total)	ND	ug/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204421LCS1											
1,1-Dichloroethene	50		52		ug/Kg	104			59-172		
Benzene	50		51		ug/Kg	102			62-137		
Chlorobenzene	50		47		ug/Kg	94			60-133		
Methyl-t-butyl Ether (MTBE)	50		47		ug/Kg	94			62-137		
Toluene	50		47		ug/Kg	94			59-139		
Trichloroethene	50		46		ug/Kg	92			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204421MS1, QC1204421MSD1												**Source: 417465-025**
1,1-Dichloroethene	ND	50	50	55	53	ug/Kg	110	106	3.7	59-172	22	
Benzene	ND	50	50	51	49	ug/Kg	102	98	4.0	62-137	24	
Chlorobenzene	ND	50	50	47	45	ug/Kg	94	90	4.3	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	49	48	ug/Kg	98	96	2.1	62-137	21	
Toluene	ND	50	50	47	46	ug/Kg	94	92	2.2	59-139	21	
Trichloroethene	ND	50	50	54	57	ug/Kg	108	114	5.4	66-142	21	

QCBatchID: QC1204436	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Solid	Analyzed: 07/21/2019	Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204436MB1					
1-Methylnaphthalene	ND	ug/Kg		10	
2-Methylnaphthalene	ND	ug/Kg		10	
Acenaphthene	ND	ug/Kg		10	
Acenaphthylene	ND	ug/Kg		10	
Anthracene	ND	ug/Kg		10	
Benz(a)anthracene	ND	ug/Kg		10	
Benzo(a)pyrene	ND	ug/Kg		10	
Benzo(b)fluoranthene	ND	ug/Kg		10	
Benzo(g,h,i)perylene	ND	ug/Kg		10	
Benzo(k)fluoranthene	ND	ug/Kg		10	
Chrysene	ND	ug/Kg		10	
Dibenz(a,h)anthracene	ND	ug/Kg		10	
Fluoranthene	ND	ug/Kg		10	
Fluorene	ND	ug/Kg		10	
Indeno(1,2,3-cd)pyrene	ND	ug/Kg		10	
Naphthalene	ND	ug/Kg		10	
Phenanthrene	ND	ug/Kg		10	
Pyrene	ND	ug/Kg		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204436LCS1											
1-Methylnaphthalene	50		42		ug/Kg	84			28-130		
2-Methylnaphthalene	50		39		ug/Kg	78			33-130		
Acenaphthene	50		39		ug/Kg	78			32-130		
Acenaphthylene	50		38		ug/Kg	76			28-130		
Anthracene	50		36		ug/Kg	72			34-130		
Benz(a)anthracene	50		38		ug/Kg	76			30-132		
Benzo(a)pyrene	50		38		ug/Kg	76			10-138		
Benzo(b)fluoranthene	50		36		ug/Kg	72			32-137		
Benzo(g,h,i)perylene	50		40		ug/Kg	80			27-130		
Benzo(k)fluoranthene	50		42		ug/Kg	84			32-130		
Chrysene	50		38		ug/Kg	76			29-130		
Dibenz(a,h)anthracene	50		41		ug/Kg	82			32-130		
Fluoranthene	50		41		ug/Kg	82			34-130		
Fluorene	50		39		ug/Kg	78			35-130		
Indeno(1,2,3-cd)pyrene	50		37		ug/Kg	74			34-132		
Naphthalene	50		43		ug/Kg	86			25-130		
Phenanthrene	50		39		ug/Kg	78			35-130		
Pyrene	50		42		ug/Kg	84			35-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204436MS1, QC1204436MSD1												**Source: 417336-001**
1-Methylnaphthalene	ND	50	50	35	34	ug/Kg	70	68	2.9	25-130	35	
2-Methylnaphthalene	ND	50	50	37	33	ug/Kg	74	66	11.4	32-133	35	
Acenaphthene	4.6	50	50	37	36	ug/Kg	65	63	2.7	28-134	35	
Acenaphthylene	ND	50	50	34	32	ug/Kg	68	64	6.1	14-157	35	
Anthracene	5.8	50	50	39	39	ug/Kg	66	66	0.0	24-156	35	
Benz(a)anthracene	5.5	50	50	51	52	ug/Kg	91	93	1.9	26-174	35	

QCBatchID: QC1204436	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Solid	Analyzed: 07/21/2019	Instrument: SVOA-MS (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204436MS1, QC1204436MSD1											**Source:**	**417336-001**
Benzo(a)pyrene	2.2	50	50	57	55	ug/Kg	110	106	3.6	18-173	35	
Benzo(b)fluoranthene	5.9	50	50	45	42	ug/Kg	78	72	6.9	36-164	35	
Benzo(g,h,i)perylene	ND	50	50	33	32	ug/Kg	66	64	3.1	36-130	35	
Benzo(k)fluoranthene	ND	50	50	59	55	ug/Kg	118	110	7.0	36-161	35	
Chrysene	5.4	50	50	39	39	ug/Kg	67	67	0.0	40-139	35	
Dibenz(a,h)anthracene	ND	50	50	30	32	ug/Kg	60	64	6.5	38-132	35	
Fluoranthene	25	50	50	72	66	ug/Kg	94	82	8.7	28-160	35	
Fluorene	5.6	50	50	40	39	ug/Kg	69	67	2.5	27-140	35	
Indeno(1,2,3-cd)pyrene	ND	50	50	30	34	ug/Kg	60	68	12.5	26-154	35	
Naphthalene	6.1	50	50	40	38	ug/Kg	68	64	5.1	33-130	35	
Phenanthrene	24	50	50	62	61	ug/Kg	76	74	1.6	29-147	35	
Pyrene	17	50	50	61	55	ug/Kg	88	76	10.3	26-153	35	

QCBatchID: QC1204452	Analyst: Rlee	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/22/2019	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204452MB1					
1,1,1,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,1-Trichloroethane	ND	ug/Kg		5	
1,1,2,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,2-Trichloroethane	ND	ug/Kg		5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg		5	
1,1-Dichloroethane	ND	ug/Kg		5	
1,1-Dichloroethene	ND	ug/Kg		5	
1,1-Dichloropropene	ND	ug/Kg		5	
1,2,3-Trichlorobenzene	ND	ug/Kg		5	
1,2,3-Trichloropropane	ND	ug/Kg		5	
1,2,4-Trichlorobenzene	ND	ug/Kg		5	
1,2,4-Trimethylbenzene	ND	ug/Kg		5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg		5	
1,2-Dibromoethane	ND	ug/Kg		5	
1,2-Dichlorobenzene	ND	ug/Kg		5	
1,2-Dichloroethane	ND	ug/Kg		5	
1,2-Dichloropropane	ND	ug/Kg		5	
1,3,5-Trimethylbenzene	ND	ug/Kg		5	
1,3-Dichlorobenzene	ND	ug/Kg		5	
1,3-Dichloropropane	ND	ug/Kg		5	
1,4-Dichlorobenzene	ND	ug/Kg		5	
2,2-Dichloropropane	ND	ug/Kg		5	
2-Butanone (MEK)	ND	ug/Kg		100	
2-Chlorotoluene	ND	ug/Kg		5	
4-Chlorotoluene	ND	ug/Kg		5	
4-Isopropyltoluene	ND	ug/Kg		5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg		5	
Acetone	ND	ug/Kg		100	
Allyl Chloride	ND	ug/Kg		5	
Benzene	ND	ug/Kg		5	
Bromobenzene	ND	ug/Kg		5	
Bromochloromethane	ND	ug/Kg		5	
Bromodichloromethane	ND	ug/Kg		5	
Bromoform	ND	ug/Kg		5	
Bromomethane	ND	ug/Kg		5	
Carbon Tetrachloride	ND	ug/Kg		5	
Chlorobenzene	ND	ug/Kg		5	
Chlorodibromomethane	ND	ug/Kg		5	
Chloroethane	ND	ug/Kg		5	
Chloroform	ND	ug/Kg		5	
Chloromethane	ND	ug/Kg		5	
cis-1,2-Dichloroethene	ND	ug/Kg		5	
cis-1,3-dichloropropene	ND	ug/Kg		5	
cis-1,4-dichloro-2-butene	ND	ug/Kg		5	
Dibromomethane	ND	ug/Kg		5	
Dichlorodifluoromethane	ND	ug/Kg		5	
Di-isopropyl ether (DIPE)	ND	ug/Kg		5	
Ethylbenzene	ND	ug/Kg		5	
Ethyl-tertbutylether (ETBE)	ND	ug/Kg		5	
Hexachlorobutadiene	ND	ug/Kg		5	
Isopropylbenzene	ND	ug/Kg		5	
m and p-Xylene	ND	ug/Kg		5	

QCBatchID: QC1204452	Analyst: Rlee	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/22/2019	Instrument: VOA-MS (group)

Analyte	Blank Result	Units		RDL	Notes
QC1204452MB1					
Methylene chloride	ND	ug/Kg		5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg		5	
Naphthalene	ND	ug/Kg		5	
N-butylbenzene	ND	ug/Kg		5	
N-propylbenzene	ND	ug/Kg		5	
o-Xylene	ND	ug/Kg		5	
Sec-butylbenzene	ND	ug/Kg		5	
Styrene	ND	ug/Kg		5	
t-Butyl alcohol (TBA)	ND	ug/Kg		10	
Tert-amylmethylether (TAME)	ND	ug/Kg		5	
Tert-butylbenzene	ND	ug/Kg		5	
Tetrachloroethene	ND	ug/Kg		5	
Toluene	ND	ug/Kg		5	
trans-1,2-dichloroethene	ND	ug/Kg		5	
trans-1,3-dichloropropene	ND	ug/Kg		5	
trans-1,4-dichloro-2-butene	ND	ug/Kg		5	
Trichloroethene	ND	ug/Kg		5	
Trichlorofluoromethane	ND	ug/Kg		5	
Vinyl Chloride	ND	ug/Kg		5	
Xylenes (Total)	ND	ug/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204452LCS1											
1,1-Dichloroethene	50		58		ug/Kg	116			59-172		
Benzene	50		55		ug/Kg	110			62-137		
Chlorobenzene	50		52		ug/Kg	104			60-133		
Methyl-t-butyl Ether (MTBE)	50		49		ug/Kg	98			62-137		
Toluene	50		53		ug/Kg	106			59-139		
Trichloroethene	50		51		ug/Kg	102			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204452MS1, QC1204452MSD1												**Source: 417461-002**
1,1-Dichloroethene	ND	50	50	56	56	ug/Kg	112	112	0.0	59-172	22	
Benzene	ND	50	50	51	51	ug/Kg	102	102	0.0	62-137	24	
Chlorobenzene	ND	50	50	43	45	ug/Kg	86	90	4.5	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	47	46	ug/Kg	94	92	2.2	62-137	21	
Toluene	0.43	50	50	47	48	ug/Kg	93	95	2.1	59-139	21	
Trichloroethene	ND	50	50	47	47	ug/Kg	94	94	0.0	66-142	21	

QCBatchID: QC1204454	Analyst: Jarriaga	Method: EPA 8081A
Matrix: Solid	Analyzed: 07/22/2019	Instrument: SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204454MB1					
4,4'-DDD	ND	ug/Kg		5	
4,4'-DDE	ND	ug/Kg		5	
4,4'-DDT	ND	ug/Kg		5	
a-BHC	ND	ug/Kg		5	
Aldrin	ND	ug/Kg		5	
b-BHC	ND	ug/Kg		5	
Chlordane (technical)	ND	ug/Kg		50	
d-BHC	ND	ug/Kg		5	
Dieldrin	ND	ug/Kg		5	
Endosulfan I	ND	ug/Kg		5	
Endosulfan II	ND	ug/Kg		5	
Endosulfan sulfate	ND	ug/Kg		5	
Endrin	ND	ug/Kg		5	
Endrin aldehyde	ND	ug/Kg		5	
Endrin Ketone	ND	ug/Kg		5	
Heptachlor	ND	ug/Kg		5	
Heptachlor epoxide	ND	ug/Kg		5	
Lindane (Gamma-BHC)	ND	ug/Kg		5	
Methoxychlor	ND	ug/Kg		10	
Toxaphene	ND	ug/Kg		100	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204454LCS1											
4,4'-DDD	50		37		ug/Kg	74			43-172		
4,4'-DDE	50		43		ug/Kg	86			44-163		
4,4'-DDT	50		32		ug/Kg	64			40-158		
a-BHC	50		44		ug/Kg	88			45-150		
Aldrin	50		27		ug/Kg	54			46-142		
b-BHC	50		42		ug/Kg	84			42-156		
d-BHC	50		33		ug/Kg	66			37-161		
Dieldrin	50		41		ug/Kg	82			47-151		
Endosulfan I	50		43		ug/Kg	86			47-141		
Endosulfan II	50		41		ug/Kg	82			44-156		
Endosulfan sulfate	50		41		ug/Kg	82			43-157		
Endrin	50		42		ug/Kg	84			47-160		
Endrin aldehyde	50		11		ug/Kg	22			32-127		L
Endrin Ketone	50		43		ug/Kg	86			48-159		
Heptachlor	50		39		ug/Kg	78			50-144		
Heptachlor epoxide	50		41		ug/Kg	82			48-145		
Lindane (Gamma-BHC)	50		41		ug/Kg	82			47-151		
Methoxychlor	50		34		ug/Kg	68			36-182		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204454MS1, QC1204454MSD1												**Source: 417371-030**
4,4'-DDD	2.3	50	50	59	60	ug/Kg	113	115	1.7	43-172	20	
4,4'-DDE	5.7	50	50	62	62	ug/Kg	113	113	0.0	44-163	20	
4,4'-DDT	4.1	50	50	63	72	ug/Kg	118	136	13.3	40-158	20	
a-BHC	ND	50	50	41	42	ug/Kg	82	84	2.4	45-150	20	

QCBatchID: QC1204454	Analyst: Jarriaga	Method: EPA 8081A
Matrix: Solid	Analyzed: 07/22/2019	Instrument: SVOA-GC (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204454MS1, QC1204454MSD1											**Source:**	**417371-030**
Aldrin	ND	50	50	34	38	ug/Kg	68	76	11.1	46-142	20	
b-BHC	ND	50	50	44	45	ug/Kg	88	90	2.2	42-156	20	
d-BHC	ND	50	50	34	38	ug/Kg	68	76	11.1	37-161	20	
Dieldrin	ND	50	50	41	44	ug/Kg	82	88	7.1	47-151	20	
Endosulfan I	ND	50	50	42	46	ug/Kg	84	92	9.1	47-141	20	
Endosulfan II	ND	50	50	41	46	ug/Kg	82	92	11.5	44-156	20	
Endosulfan sulfate	ND	50	50	41	47	ug/Kg	82	94	13.6	43-157	20	
Endrin	ND	50	50	42	46	ug/Kg	84	92	9.1	47-160	20	
Endrin aldehyde	ND	50	50	35	42	ug/Kg	70	84	18.2	32-127	20	
Endrin Ketone	ND	50	50	44	49	ug/Kg	88	98	10.8	48-159	20	
Heptachlor	ND	50	50	39	41	ug/Kg	78	82	5.0	50-144	20	
Heptachlor epoxide	ND	50	50	41	43	ug/Kg	82	86	4.8	48-145	20	
Lindane (Gamma-BHC)	ND	50	50	41	42	ug/Kg	82	84	2.4	47-151	20	
Methoxychlor	ND	50	50	46	51	ug/Kg	92	102	10.3	36-182	20	

QCBatchID: QC1204463	Analyst: sbailey-woo	Method: EPA 6010B
Matrix: Water	Analyzed: 07/22/2019	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204463MB1					
Antimony	ND	mg/L		0.04	
Arsenic	ND	mg/L		0.01	
Barium	ND	mg/L		0.01	
Beryllium	ND	mg/L		0.005	
Cadmium	ND	mg/L		0.005	
Chromium	ND	mg/L		0.01	
Cobalt	ND	mg/L		0.005	
Copper	ND	mg/L		0.01	
Lead	ND	mg/L		0.01	
Molybdenum	ND	mg/L		0.01	
Nickel	ND	mg/L		0.02	
Selenium	ND	mg/L		0.03	
Silver	ND	mg/L		0.005	
Thallium	ND	mg/L		0.05	
Vanadium	ND	mg/L		0.005	
Zinc	ND	mg/L		0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204463LCS1											
Antimony	2		1.98		mg/L	99			80-120		
Arsenic	2		1.91		mg/L	96			80-120		
Barium	2		1.80		mg/L	90			80-120		
Beryllium	2		2.05		mg/L	103			80-120		
Cadmium	2		1.84		mg/L	92			80-120		
Chromium	2		1.85		mg/L	93			80-120		
Cobalt	2		1.89		mg/L	95			80-120		
Copper	2		1.71		mg/L	86			80-120		
Lead	2		1.90		mg/L	95			80-120		
Molybdenum	2		2.14		mg/L	107			80-120		
Nickel	2		1.87		mg/L	94			80-120		
Selenium	2		1.87		mg/L	94			80-120		
Silver	2		2.52		mg/L	126			80-120		L
Thallium	2		2.00		mg/L	100			80-120		
Vanadium	2		1.94		mg/L	97			80-120		
Zinc	2		1.92		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204463MS1, QC1204463MSD1												**Source: 417431-051**
Antimony	ND	1	1	0.988	0.981	mg/L	99	98	0.7	75-125	20	
Arsenic	ND	1	1	0.956	0.962	mg/L	96	96	0.6	75-125	20	
Barium	ND	1	1	0.896	0.923	mg/L	90	92	3.0	75-125	20	
Beryllium	ND	1	1	1.03	1.06	mg/L	103	106	2.9	75-125	20	
Cadmium	ND	1	1	0.901	0.919	mg/L	90	92	2.0	75-125	20	
Chromium	ND	1	1	0.916	0.932	mg/L	92	93	1.7	75-125	20	
Cobalt	ND	1	1	0.938	0.959	mg/L	94	96	2.2	75-125	20	
Copper	ND	1	1	0.842	0.860	mg/L	84	86	2.1	75-125	20	
Lead	ND	1	1	0.958	0.962	mg/L	96	96	0.4	75-125	20	
Molybdenum	0.0073	1	1	1.08	1.08	mg/L	107	107	0.0	75-125	20	

QCBatchID: QC1204463	Analyst: sbailey-woo	Method: EPA 6010B
Matrix: Water	Analyzed: 07/22/2019	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204463MS1, QC1204463MSD1											**Source:**	**417431-051**
Nickel	ND	1	1	0.924	0.939	mg/L	92	94	1.6	75-125	20	
Selenium	ND	1	1	0.922	0.927	mg/L	92	93	0.5	75-125	20	
Silver	ND	1	1	1.24	1.27	mg/L	124	127	2.4	75-125	20	M
Thallium	ND	1	1	1.00	1.01	mg/L	100	101	1.0	75-125	20	
Vanadium	ND	1	1	0.959	0.984	mg/L	96	98	2.6	75-125	20	
Zinc	ND	1	1	0.915	0.941	mg/L	92	94	2.8	75-125	20	

QCBatchID:	QC1204494	Analyst:	Abanh	Method:	EPA 8015M
Matrix:	Solid	Analyzed:	07/25/2019	Instrument:	SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204494MB1					
TPH (C10 to C28)	ND	mg/Kg		10	
TPH (C13 to C22)	ND	mg/Kg		10	
TPH (C23 to C40)	ND	mg/Kg		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1204494LCS1											
TPH (C10 to C28)	250		230		mg/Kg	92			60-133		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1204494MS1, QC1204494MSD1												**Source: 417431-046**
TPH (C10 to C28)	ND	250	250	220	220	mg/Kg	88	88	0.0	70-130	20	

QCBatchID: QC1204505	Analyst: Abanh	Method: EPA 8015B
Matrix: Water	Analyzed: 07/24/2019	Instrument: SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204505MB1					
TPH (C13 to C22)	ND	mg/L		0.2	
TPH (C13 to C40)	ND	mg/L		0.05	
TPH (C23 to C40)	ND	mg/L		0.3	
TPH Diesel	ND	mg/L		0.1	
TPH Motor Oil	ND	mg/L		0.3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204505LCS1, QC1204505LCSD1											
TPH Diesel	1	1	0.78	0.75	mg/L	78	75	4	70-130	20	

QCBatchID: QC1204521	Analyst: sbailey-woo	Method: EPA 6010B
Matrix: Solid	Analyzed: 07/23/2019	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204521MB1					
Antimony	ND	mg/Kg		3	
Arsenic	ND	mg/Kg		1	
Barium	ND	mg/Kg		1	
Beryllium	ND	mg/Kg		0.5	
Cadmium	ND	mg/Kg		0.5	
Chromium	ND	mg/Kg		1	
Cobalt	ND	mg/Kg		0.5	
Copper	ND	mg/Kg		1	
Lead	ND	mg/Kg		1	
Molybdenum	ND	mg/Kg		1	
Nickel	ND	mg/Kg		1.5	
Selenium	ND	mg/Kg		3	
Silver	ND	mg/Kg		0.5	
Thallium	ND	mg/Kg		3	
Vanadium	ND	mg/Kg		0.5	
Zinc	ND	mg/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204521LCS1											
Antimony	100		89.5		mg/Kg	90			80-120		
Arsenic	100		81.3		mg/Kg	81			80-120		
Barium	100		87.2		mg/Kg	87			80-120		
Beryllium	100		92.0		mg/Kg	92			80-120		
Cadmium	100		82.5		mg/Kg	83			80-120		
Chromium	100		86.9		mg/Kg	87			80-120		
Cobalt	100		87.7		mg/Kg	88			80-120		
Copper	100		84.3		mg/Kg	84			80-120		
Lead	100		83.6		mg/Kg	84			80-120		
Molybdenum	100		95.2		mg/Kg	95			80-120		
Nickel	100		86.0		mg/Kg	86			80-120		
Selenium	100		90.7		mg/Kg	91			80-120		
Silver	100		89.4		mg/Kg	89			80-120		
Thallium	100		85.2		mg/Kg	85			80-120		
Vanadium	100		91.5		mg/Kg	92			80-120		
Zinc	100		88.9		mg/Kg	89			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204521MS1, QC1204521MSD1												**Source: 417431-021**
Antimony	ND	100	100	18.2	39.1	mg/Kg	18	39	72.9	75-125	20	M,D
Arsenic	ND	100	100	81.6	80.6	mg/Kg	82	81	1.2	75-125	20	
Barium	160	100	100	220	226	mg/Kg	60	66	2.7	75-125	20	M
Beryllium	ND	100	100	86.1	85.7	mg/Kg	86	86	0.5	75-125	20	
Cadmium	0.74	100	100	76.7	76.1	mg/Kg	76	75	0.8	75-125	20	
Chromium	19.0	100	100	96.9	94.8	mg/Kg	78	76	2.2	75-125	20	
Cobalt	13.4	100	100	89.1	89.3	mg/Kg	76	76	0.2	75-125	20	
Copper	27.3	100	100	107	19900	mg/Kg	80	19873	197.9	75-125	20	D
Lead	7.59	100	100	88.4	810	mg/Kg	81	802	160.6	75-125	20	D
Molybdenum	ND	100	100	82.4	79.6	mg/Kg	82	80	3.5	75-125	20	

QCBatchID: QC1204521	Analyst: sbailey-woo	Method: EPA 6010B
Matrix: Solid	Analyzed: 07/23/2019	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204521MS1, QC1204521MSD1												**Source: 417431-021**
Nickel	11.5	100	100	85.3	168	mg/Kg	74	157	65.3	75-125	20	M,D
Selenium	ND	100	100	76.9	70.7	mg/Kg	77	71	8.4	75-125	20	M
Silver	ND	100	100	82.5	88.5	mg/Kg	83	89	7.0	75-125	20	
Thallium	ND	100	100	73.7	71.1	mg/Kg	75	72	3.6	75-125	20	M
Vanadium	52.8	100	100	132	130	mg/Kg	79	77	1.5	75-125	20	
Zinc	68.0	100	100	148	363	mg/Kg	80	295	84.1	75-125	20	D

QCBatchID: QC1204522	Analyst: sbailey-woo	Method: EPA 6010B
Matrix: Solid	Analyzed: 07/23/2019	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204522MB1					
Antimony	ND	mg/Kg		3	
Arsenic	ND	mg/Kg		1	
Barium	ND	mg/Kg		1	
Beryllium	ND	mg/Kg		0.5	
Cadmium	ND	mg/Kg		0.5	
Chromium	ND	mg/Kg		1	
Cobalt	ND	mg/Kg		0.5	
Copper	ND	mg/Kg		1	
Lead	ND	mg/Kg		1	
Molybdenum	ND	mg/Kg		1	
Nickel	ND	mg/Kg		1.5	
Selenium	ND	mg/Kg		3	
Silver	ND	mg/Kg		0.5	
Thallium	ND	mg/Kg		3	
Vanadium	ND	mg/Kg		0.5	
Zinc	ND	mg/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204522LCS1											
Antimony	100		99.1		mg/Kg	99			80-120		
Arsenic	100		98.6		mg/Kg	99			80-120		
Barium	100		101		mg/Kg	101			80-120		
Beryllium	100		109		mg/Kg	109			80-120		
Cadmium	100		99.4		mg/Kg	99			80-120		
Chromium	100		104		mg/Kg	104			80-120		
Cobalt	100		106		mg/Kg	106			80-120		
Copper	100		93.3		mg/Kg	93			80-120		
Lead	100		99.4		mg/Kg	99			80-120		
Molybdenum	100		111		mg/Kg	111			80-120		
Nickel	100		104		mg/Kg	104			80-120		
Selenium	100		96.5		mg/Kg	97			80-120		
Silver	100		112		mg/Kg	112			80-120		
Thallium	100		105		mg/Kg	105			80-120		
Vanadium	100		110		mg/Kg	110			80-120		
Zinc	100		102		mg/Kg	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204522MS1, QC1204522MSD1												**Source: 417431-026**
Antimony	ND	100	100	30.5	30.4	mg/Kg	31	30	0.3	75-125	20	M
Arsenic	4.19	100	100	91.2	84.3	mg/Kg	87	80	7.9	75-125	20	
Barium	72.2	100	100	163	162	mg/Kg	91	90	0.6	75-125	20	
Beryllium	ND	100	100	87.7	88.7	mg/Kg	88	89	1.1	75-125	20	
Cadmium	0.34	100	100	80.6	79.7	mg/Kg	80	79	1.1	75-125	20	
Chromium	16.8	100	100	103	100	mg/Kg	86	83	3.0	75-125	20	
Cobalt	7.79	100	100	91.2	90.9	mg/Kg	83	83	0.3	75-125	20	
Copper	10.6	100	100	96.0	91.5	mg/Kg	85	81	4.8	75-125	20	
Lead	5.65	100	100	92.2	89.8	mg/Kg	87	84	2.6	75-125	20	
Molybdenum	ND	100	100	89.1	83.3	mg/Kg	89	83	6.7	75-125	20	

QCBatchID:	QC1204522	Analyst:	sbailey-woo	Method:	EPA 6010B
Matrix:	Solid	Analyzed:	07/23/2019	Instrument:	AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204522MS1, QC1204522MSD1												**Source: 417431-026**
Nickel	9.68	100	100	96.6	91.2	mg/Kg	87	82	5.8	75-125	20	
Selenium	ND	100	100	84.6	80.9	mg/Kg	85	81	4.5	75-125	20	
Silver	ND	100	100	90.2	86.9	mg/Kg	90	87	3.7	75-125	20	
Thallium	ND	100	100	83.8	80.0	mg/Kg	84	80	4.6	75-125	20	
Vanadium	33.1	100	100	126	123	mg/Kg	93	90	2.4	75-125	20	
Zinc	33.7	100	100	128	121	mg/Kg	94	87	5.6	75-125	20	

QCBatchID:	**QC1204545**	**Analyst:**	kedy	**Method:**	EPA 7471A
Matrix:	Solid	**Analyzed:**	07/24/2019	**Instrument:**	AAICP-HG1

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204545MB1					
Mercury	ND	mg/Kg		0.14	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204545LCS1											
Mercury	0.83		0.80		mg/Kg	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204545MS1, QC1204545MSD1												**Source: 417431-026**
Mercury	ND	0.83	0.83	0.80	0.82	mg/Kg	96	99	2.5	75-125	20	

QCBatchID:	**QC1204547**	**Analyst:**	kedy	**Method:**	EPA 7471A
Matrix:	Solid	**Analyzed:**	07/24/2019	**Instrument:**	AAICP-HG1

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204547MB1					
Mercury	ND	mg/Kg		0.14	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204547LCS1											
Mercury	0.83		0.80		mg/Kg	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204547MS1, QC1204547MSD1												**Source: 417431-021**
Mercury	ND	0.83	0.83	0.77	0.78	mg/Kg	93	94	1.3	75-125	20	

QCBatchID:	**QC1204548**	**Analyst:**	sbailey-woo	**Method:**	EPA 7470A
Matrix:	Water	**Analyzed:**	07/24/2019	**Instrument:**	AAICP-HG1

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204548MB1					
Mercury	ND	ug/L		0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204548LCS1											
Mercury	5		5.66		ug/L	113			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204548MS1, QC1204548MSD1												**Source: 417343-001**
Mercury	ND	5	5	4.89	4.58	ug/L	98	92	6.5	75-125	20	

QCBatchID: QC1204549	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Solid	Analyzed: 07/24/2019	Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204549MB1					
1-Methylnaphthalene	ND	ug/Kg		10	
2-Methylnaphthalene	ND	ug/Kg		10	
Acenaphthene	ND	ug/Kg		10	
Acenaphthylene	ND	ug/Kg		10	
Anthracene	ND	ug/Kg		10	
Benz(a)anthracene	ND	ug/Kg		10	
Benzo(a)pyrene	ND	ug/Kg		10	
Benzo(b)fluoranthene	ND	ug/Kg		10	
Benzo(g,h,i)perylene	ND	ug/Kg		10	
Benzo(k)fluoranthene	ND	ug/Kg		10	
Chrysene	ND	ug/Kg		10	
Dibenz(a,h)anthracene	ND	ug/Kg		10	
Fluoranthene	ND	ug/Kg		10	
Fluorene	ND	ug/Kg		10	
Indeno(1,2,3-cd)pyrene	ND	ug/Kg		10	
Naphthalene	ND	ug/Kg		10	
Phenanthrene	ND	ug/Kg		10	
Pyrene	ND	ug/Kg		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204549LCS1											
1-Methylnaphthalene	50		35		ug/Kg	70			28-130		
2-Methylnaphthalene	50		34		ug/Kg	68			33-130		
Acenaphthene	50		38		ug/Kg	76			32-130		
Acenaphthylene	50		36		ug/Kg	72			28-130		
Anthracene	50		36		ug/Kg	72			34-130		
Benz(a)anthracene	50		41		ug/Kg	82			30-132		
Benzo(a)pyrene	50		32		ug/Kg	64			10-138		
Benzo(b)fluoranthene	50		44		ug/Kg	88			32-137		
Benzo(g,h,i)perylene	50		48		ug/Kg	96			27-130		
Benzo(k)fluoranthene	50		48		ug/Kg	96			32-130		
Chrysene	50		45		ug/Kg	90			29-130		
Dibenz(a,h)anthracene	50		49		ug/Kg	98			32-130		
Fluoranthene	50		49		ug/Kg	98			34-130		
Fluorene	50		40		ug/Kg	80			35-130		
Indeno(1,2,3-cd)pyrene	50		48		ug/Kg	96			34-132		
Naphthalene	50		35		ug/Kg	70			25-130		
Phenanthrene	50		49		ug/Kg	98			35-130		
Pyrene	50		45		ug/Kg	90			35-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204549MS1, QC1204549MSD1												**Source: 417431-041**
1-Methylnaphthalene	ND	50	50	30	36	ug/Kg	60	72	18.2	25-130	35	
2-Methylnaphthalene	ND	50	50	34	41	ug/Kg	68	82	18.7	32-133	35	
Acenaphthene	1.7	50	50	35	38	ug/Kg	67	73	8.2	28-134	35	
Acenaphthylene	ND	50	50	32	38	ug/Kg	64	76	17.1	14-157	35	
Anthracene	1.8	50	50	36	38	ug/Kg	68	72	5.4	24-156	35	
Benz(a)anthracene	2.6	50	50	38	40	ug/Kg	71	75	5.1	26-174	35	

QCBatchID: QC1204549	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Solid	Analyzed: 07/24/2019	Instrument: SVOA-MS (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204549MS1, QC1204549MSD1												**Source: 417431-041**
Benzo(a)pyrene	ND	50	50	33	35	ug/Kg	66	70	5.9	18-173	35	
Benzo(b)fluoranthene	2.6	50	50	38	40	ug/Kg	71	75	5.1	36-164	35	
Benzo(g,h,i)perylene	1.7	50	50	44	47	ug/Kg	85	91	6.6	36-130	35	
Benzo(k)fluoranthene	1.9	50	50	36	39	ug/Kg	68	74	8.0	36-161	35	
Chrysene	3.2	50	50	42	44	ug/Kg	78	82	4.7	40-139	35	
Dibenz(a,h)anthracene	ND	50	50	40	44	ug/Kg	80	88	9.5	38-132	35	
Fluoranthene	7.9	50	50	49	52	ug/Kg	82	88	5.9	28-160	35	
Fluorene	ND	50	50	36	39	ug/Kg	72	78	8.0	27-140	35	
Indeno(1,2,3-cd)pyrene	ND	50	50	41	44	ug/Kg	82	88	7.1	26-154	35	
Naphthalene	4.7	50	50	33	38	ug/Kg	57	67	14.1	33-130	35	
Phenanthrene	6.2	50	50	45	48	ug/Kg	78	84	6.5	29-147	35	
Pyrene	8.3	50	50	46	47	ug/Kg	75	77	2.2	26-153	35	

QCBatchID: QC1204606	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Water	Analyzed: 07/24/2019	Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204606MB1					
1-Methylnaphthalene	ND	ug/L		0.5	
2-Methylnaphthalene	ND	ug/L		0.5	
Acenaphthene	ND	ug/L		0.5	
Acenaphthylene	ND	ug/L		0.5	
Anthracene	ND	ug/L		0.5	
Benz(a)anthracene	ND	ug/L		0.5	
Benzo(a)pyrene	ND	ug/L		0.5	
Benzo(b)fluoranthene	ND	ug/L		0.5	
Benzo(g,h,i)perylene	ND	ug/L		0.5	
Benzo(k)fluoranthene	ND	ug/L		0.5	
Chrysene	ND	ug/L		0.5	
Dibenz(a,h)anthracene	ND	ug/L		0.5	
Fluoranthene	ND	ug/L		0.5	
Fluorene	ND	ug/L		0.5	
Indeno(1,2,3-cd)pyrene	ND	ug/L		0.5	
Naphthalene	ND	ug/L		0.5	
Phenanthrene	ND	ug/L		0.5	
Pyrene	ND	ug/L		0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204606LCS1, QC1204606LCSD1											
1-Methylnapthalene	1	1	0.6582	0.6329	ug/L	66	63	4	70-130	35	L
2-Methylnaphthalene	1	1	0.72	0.68	ug/L	72	68	5	40-130	35	
Acenaphthene	1	1	0.71	0.67	ug/L	71	67	6	46-130	35	
Acenaphthylene	1	1	0.65	0.63	ug/L	65	63	3	43-130	35	
Anthracene	1	1	0.71	0.68	ug/L	71	68	4	50-130	35	
Benz(a)anthracene	1	1	0.74	0.68	ug/L	74	68	8	61-130	35	
Benzo(a)pyrene	1	1	0.68	0.59	ug/L	68	59	14	46-139	35	
Benzo(b)fluoranthene	1	1	0.74	0.67	ug/L	74	67	10	42-158	35	
Benzo(g,h,i)perylene	1	1	0.83	0.82	ug/L	83	82	1	50-143	35	
Benzo(k)fluoranthene	1	1	0.72	0.63	ug/L	72	63	13	58-134	35	
Chrysene	1	1	0.82	0.74	ug/L	82	74	10	61-130	35	
Dibenz(a,h)anthracene	1	1	0.85	0.88	ug/L	85	88	3	60-130	35	
Fluoranthene	1	1	0.93	0.83	ug/L	93	83	11	62-130	35	
Fluorene	1	1	0.70	0.67	ug/L	70	67	4	49-130	35	
Indeno(1,2,3-cd)pyrene	1	1	0.82	0.80	ug/L	82	80	2	52-144	35	
Naphthalene	1	1	0.71	0.67	ug/L	71	67	6	41-130	35	
Phenanthrene	1	1	0.86	0.78	ug/L	86	78	10	57-130	35	
Pyrene	1	1	0.86	0.77	ug/L	86	77	11	62-130	35	

QCBatchID: QC1204611	Analyst: Abanh	Method: EPA 8081A
Matrix: Water	Analyzed: 07/25/2019	Instrument: SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204611MB1					
4,4'-DDD	ND	ug/L		0.1	
4,4'-DDE	ND	ug/L		0.1	
4,4'-DDT	ND	ug/L		0.1	
a-BHC	ND	ug/L		0.1	
Aldrin	ND	ug/L		0.1	
b-BHC	ND	ug/L		0.1	
Chlordane (technical)	ND	ug/L		1	
d-BHC	ND	ug/L		0.1	
Dieldrin	ND	ug/L		0.1	
Endosulfan I	ND	ug/L		0.1	
Endosulfan II	ND	ug/L		0.1	
Endosulfan sulfate	ND	ug/L		0.1	
Endrin	ND	ug/L		0.1	
Endrin aldehyde	ND	ug/L		0.1	
Endrin Ketone	ND	ug/L		0.1	
Heptachlor	ND	ug/L		0.1	
Heptachlor epoxide	ND	ug/L		0.1	
Lindane (Gamma-BHC)	ND	ug/L		0.1	
Methoxychlor	ND	ug/L		0.1	
Toxaphene	ND	ug/L		2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204611LCS1, QC1204611LCSD1											
4,4'-DDD	0.5	0.5	0.50	0.47	ug/L	100	94	6	42-142	20	
4,4'-DDE	0.5	0.5	0.51	0.49	ug/L	102	98	4	48-133	20	
4,4'-DDT	0.5	0.5	0.56	0.51	ug/L	112	102	9	40-143	20	
a-BHC	0.5	0.5	0.46	0.46	ug/L	92	92	0	55-122	20	
Aldrin	0.5	0.5	0.41	0.40	ug/L	82	80	2	46-117	20	
b-BHC	0.5	0.5	0.49	0.49	ug/L	98	98	0	46-136	20	
d-BHC	0.5	0.5	0.41	0.39	ug/L	82	78	5	53-124	20	
Dieldrin	0.5	0.5	0.48	0.45	ug/L	96	90	6	49-129	20	
Endosulfan I	0.5	0.5	0.54	0.49	ug/L	108	98	10	54-122	20	
Endosulfan II	0.5	0.5	0.51	0.47	ug/L	102	94	8	46-132	20	
Endosulfan sulfate	0.5	0.5	0.53	0.49	ug/L	106	98	8	52-129	20	
Endrin	0.5	0.5	0.48	0.45	ug/L	96	90	6	57-145	20	
Endrin aldehyde	0.5	0.5	0.46	0.43	ug/L	92	86	7	48-116	20	
Endrin Ketone	0.5	0.5	0.58	0.53	ug/L	116	106	9	44-137	20	
Heptachlor	0.5	0.5	0.43	0.43	ug/L	86	86	0	51-128	20	
Heptachlor epoxide	0.5	0.5	0.47	0.46	ug/L	94	92	2	51-122	20	
Lindane (Gamma-BHC)	0.5	0.5	0.48	0.47	ug/L	96	94	2	54-128	20	
Methoxychlor	0.5	0.5	0.71	0.63	ug/L	142	126	12	52-158	20	

QCBatchID:	QC1204612	Analyst:	Abanh	Method:	EPA 8082
Matrix:	Water	Analyzed:	07/25/2019	Instrument:	SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204612MB1					
PCB-1016	ND	ug/L		0.5	
PCB-1221	ND	ug/L		0.5	
PCB-1232	ND	ug/L		0.5	
PCB-1242	ND	ug/L		0.5	
PCB-1248	ND	ug/L		0.5	
PCB-1254	ND	ug/L		0.5	
PCB-1260	ND	ug/L		0.5	
PCB-1262	ND	ug/L		0.5	
PCB-1268	ND	ug/L		0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1204612LCS1, QC1204612LCSD1											
PCB-1016	5	5	4.0	4.6	ug/L	80	92	14	70-130	20	
PCB-1260	5	5	3.9	4.4	ug/L	78	88	12	70-130	20	

QCBatchID: QC1204652	Analyst: lucy	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/26/2019	Instrument: VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204652MB1					
1,1,1,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,1-Trichloroethane	ND	ug/Kg		5	
1,1,2,2-Tetrachloroethane	ND	ug/Kg		5	
1,1,2-Trichloroethane	ND	ug/Kg		5	
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg		5	
1,1-Dichloroethane	ND	ug/Kg		5	
1,1-Dichloroethene	ND	ug/Kg		5	
1,1-Dichloropropene	ND	ug/Kg		5	
1,2,3-Trichlorobenzene	ND	ug/Kg		5	
1,2,3-Trichloropropane	ND	ug/Kg		5	
1,2,4-Trichlorobenzene	ND	ug/Kg		5	
1,2,4-Trimethylbenzene	ND	ug/Kg		5	
1,2-Dibromo-3-chloropropane	ND	ug/Kg		5	
1,2-Dibromoethane	ND	ug/Kg		5	
1,2-Dichlorobenzene	ND	ug/Kg		5	
1,2-Dichloroethane	ND	ug/Kg		5	
1,2-Dichloropropane	ND	ug/Kg		5	
1,3,5-Trimethylbenzene	ND	ug/Kg		5	
1,3-Dichlorobenzene	ND	ug/Kg		5	
1,3-Dichloropropane	ND	ug/Kg		5	
1,4-Dichlorobenzene	ND	ug/Kg		5	
2,2-Dichloropropane	ND	ug/Kg		5	
2-Butanone (MEK)	ND	ug/Kg		100	
2-Chlorotoluene	ND	ug/Kg		5	
4-Chlorotoluene	ND	ug/Kg		5	
4-Isopropyltoluene	ND	ug/Kg		5	
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg		5	
Acetone	ND	ug/Kg		100	
Allyl Chloride	ND	ug/Kg		5	
Benzene	ND	ug/Kg		5	
Bromobenzene	ND	ug/Kg		5	
Bromochloromethane	ND	ug/Kg		5	
Bromodichloromethane	ND	ug/Kg		5	
Bromoform	ND	ug/Kg		5	
Bromomethane	ND	ug/Kg		5	
Carbon Tetrachloride	ND	ug/Kg		5	
Chlorobenzene	ND	ug/Kg		5	
Chlorodibromomethane	ND	ug/Kg		5	
Chloroethane	ND	ug/Kg		5	
Chloroform	ND	ug/Kg		5	
Chloromethane	ND	ug/Kg		5	
cis-1,2-Dichloroethene	ND	ug/Kg		5	
cis-1,3-dichloropropene	ND	ug/Kg		5	
cis-1,4-dichloro-2-butene	ND	ug/Kg		5	
Dibromomethane	ND	ug/Kg		5	
Dichlorodifluoromethane	ND	ug/Kg		5	
Di-isopropyl ether (DIPE)	ND	ug/Kg		5	
Ethylbenzene	ND	ug/Kg		5	
Ethyl-tertbutylether (ETBE)	ND	ug/Kg		5	
Hexachlorobutadiene	ND	ug/Kg		5	
Isopropylbenzene	ND	ug/Kg		5	
m and p-Xylene	ND	ug/Kg		5	

QCBatchID: QC1204652	Analyst: lucy	Method: EPA 8260B
Matrix: Solid	Analyzed: 07/26/2019	Instrument: VOA-MS (group)

Analyte	Blank Result	Units		RDL	Notes
QC1204652MB1					
Methylene chloride	ND	ug/Kg		5	
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg		5	
Naphthalene	ND	ug/Kg		5	
N-butylbenzene	ND	ug/Kg		5	
N-propylbenzene	ND	ug/Kg		5	
o-Xylene	ND	ug/Kg		5	
Sec-butylbenzene	ND	ug/Kg		5	
Styrene	ND	ug/Kg		5	
t-Butyl alcohol (TBA)	ND	ug/Kg		10	
Tert-amylmethylether (TAME)	ND	ug/Kg		5	
Tert-butylbenzene	ND	ug/Kg		5	
Tetrachloroethene	ND	ug/Kg		5	
Toluene	ND	ug/Kg		5	
trans-1,2-dichloroethene	ND	ug/Kg		5	
trans-1,3-dichloropropene	ND	ug/Kg		5	
trans-1,4-dichloro-2-butene	ND	ug/Kg		5	
Trichloroethene	ND	ug/Kg		5	
Trichlorofluoromethane	ND	ug/Kg		5	
Vinyl Chloride	ND	ug/Kg		5	
Xylenes (Total)	ND	ug/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204652LCS1											
1,1-Dichloroethene	50		54		ug/Kg	108			59-172		
Benzene	50		49		ug/Kg	98			62-137		
Chlorobenzene	50		51		ug/Kg	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		40		ug/Kg	80			62-137		
Toluene	50		54		ug/Kg	108			59-139		
Trichloroethene	50		56		ug/Kg	112			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204652MS1, QC1204652MSD1												**Source: 417634-009**
1,1-Dichloroethene	ND	50	50	54	55	ug/Kg	108	110	1.8	59-172	22	
Benzene	ND	50	50	52	50	ug/Kg	104	100	3.9	62-137	24	
Chlorobenzene	ND	50	50	54	52	ug/Kg	108	104	3.8	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	49	49	ug/Kg	98	98	0.0	62-137	21	
Toluene	ND	50	50	54	53	ug/Kg	108	106	1.9	59-139	21	
Trichloroethene	ND	50	50	55	56	ug/Kg	110	112	1.8	66-142	21	

QCBatchID: QC1204773	Analyst: Abanh	Method: EPA 8270CM
Matrix: Solid	Analyzed: 07/30/2019	Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204773MB1					
1-Methylnaphthalene	ND	ug/Kg		10	
2-Methylnaphthalene	ND	ug/Kg		10	
Acenaphthene	ND	ug/Kg		10	
Acenaphthylene	ND	ug/Kg		10	
Anthracene	ND	ug/Kg		10	
Benz(a)anthracene	ND	ug/Kg		10	
Benzo(a)pyrene	ND	ug/Kg		10	
Benzo(b)fluoranthene	ND	ug/Kg		10	
Benzo(g,h,i)perylene	ND	ug/Kg		10	
Benzo(k)fluoranthene	ND	ug/Kg		10	
Chrysene	ND	ug/Kg		10	
Dibenz(a,h)anthracene	ND	ug/Kg		10	
Fluoranthene	ND	ug/Kg		10	
Fluorene	ND	ug/Kg		10	
Indeno(1,2,3-cd)pyrene	ND	ug/Kg		10	
Naphthalene	ND	ug/Kg		10	
Phenanthrene	ND	ug/Kg		10	
Pyrene	ND	ug/Kg		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204773LCS1											
1-Methylnaphthalene	50		32		ug/Kg	64			28-130		
2-Methylnaphthalene	50		32		ug/Kg	64			33-130		
Acenaphthene	50		32		ug/Kg	64			32-130		
Acenaphthylene	50		30		ug/Kg	60			28-130		
Anthracene	50		31		ug/Kg	62			34-130		
Benz(a)anthracene	50		34		ug/Kg	68			30-132		
Benzo(a)pyrene	50		28		ug/Kg	56			10-138		
Benzo(b)fluoranthene	50		31		ug/Kg	62			32-137		
Benzo(g,h,i)perylene	50		37		ug/Kg	74			27-130		
Benzo(k)fluoranthene	50		36		ug/Kg	72			32-130		
Chrysene	50		32		ug/Kg	64			29-130		
Dibenz(a,h)anthracene	50		40		ug/Kg	80			32-130		
Fluoranthene	50		38		ug/Kg	76			34-130		
Fluorene	50		32		ug/Kg	64			35-130		
Indeno(1,2,3-cd)pyrene	50		39		ug/Kg	78			34-132		
Naphthalene	50		33		ug/Kg	66			25-130		
Phenanthrene	50		33		ug/Kg	66			35-130		
Pyrene	50		36		ug/Kg	72			35-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204773MS1, QC1204773MSD1												**Source: 417372-001**
1-Methylnaphthalene	ND	50	50	32	29	ug/Kg	64	58	9.8	25-130	35	
2-Methylnaphthalene	3.9	50	50	33	30	ug/Kg	58	52	9.5	32-133	35	
Acenaphthene	2.1	50	50	32	32	ug/Kg	60	60	0.0	28-134	35	
Acenaphthylene	ND	50	50	32	26	ug/Kg	64	52	20.7	14-157	35	
Anthracene	ND	50	50	32	31	ug/Kg	64	62	3.2	24-156	35	
Benz(a)anthracene	ND	50	50	35	35	ug/Kg	70	70	0.0	26-174	35	

QCBatchID: QC1204773	Analyst: Abanh	Method: EPA 8270CM
Matrix: Solid	Analyzed: 07/30/2019	Instrument: SVOA-MS (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204773MS1, QC1204773MSD1											**Source:**	**417372-001**
Benzo(a)pyrene	ND	50	50	35	35	ug/Kg	70	70	0.0	18-173	35	
Benzo(b)fluoranthene	ND	50	50	35	11	ug/Kg	70	22	104.3	36-164	35	M
Benzo(g,h,i)perylene	ND	50	50	33	33	ug/Kg	66	66	0.0	36-130	35	
Benzo(k)fluoranthene	ND	50	50	41	42	ug/Kg	82	84	2.4	36-161	35	
Chrysene	1.1	50	50	32	36	ug/Kg	62	70	11.8	40-139	35	
Dibenz(a,h)anthracene	ND	50	50	33	34	ug/Kg	66	68	3.0	38-132	35	
Fluoranthene	4.0	50	50	37	38	ug/Kg	66	68	2.7	28-160	35	
Fluorene	ND	50	50	31	32	ug/Kg	62	64	3.2	27-140	35	
Indeno(1,2,3-cd)pyrene	ND	50	50	32	32	ug/Kg	64	64	0.0	26-154	35	
Naphthalene	7.5	50	50	37	35	ug/Kg	59	55	5.6	33-130	35	
Phenanthrene	2.7	50	50	32	33	ug/Kg	59	61	3.1	29-147	35	
Pyrene	3.6	50	50	35	36	ug/Kg	63	65	2.8	26-153	35	

QCBatchID: QC1204803	Analyst: bmorris	Method: EPA 8015M
Matrix: Solid	Analyzed: 07/31/2019	Instrument: SVOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204803MB1					
TPH (C10 to C28)	ND	mg/Kg		10	
TPH (C13 to C22)	ND	mg/Kg		10	
TPH (C13 to C28)	ND	mg/Kg		10	
TPH (C23 to C40)	ND	mg/Kg		10	
TPH (C28 to C40)	ND	mg/Kg		10	
TPH (C29 to C40)	ND	mg/Kg		20	
TPH (C6 to C12)	ND	mg/Kg		10	
TPH (C8 to C10)	ND	mg/Kg		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1204803LCS1											
TPH (C10 to C28)	250		230		mg/Kg	92			60-133		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1204803MS1, QC1204803MSD1												**Source: 417462-003**
TPH (C10 to C28)	ND	250	250	240	230	mg/Kg	96	92	4.3	70-130	20	

QCBatchID:	**QC1204821**	**Analyst:**	sandyw	**Method:**	EPA 8015B
Matrix:	Solid	**Analyzed:**	07/31/2019	**Instrument:**	VOA-GC (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204821MB1					
TPH (C6 to C12)	ND	mg/Kg		3	
TPH Gasoline	ND	mg/Kg		3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204821LCS1											
TPH Gasoline	5		5.8		mg/Kg	116			70-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204821MS1, QC1204821MSD1												**Source: 417431-016**
TPH Gasoline	ND	5	5	5.7	5.6	mg/Kg	114	112	1.8	70-130	20	

QCBatchID:	**QC1204854**	**Analyst:**	sbailey-woo	**Method:**	EPA 6010B
Matrix:	Solid	**Analyzed:**	07/31/2019	**Instrument:**	AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204854MB1					
Arsenic	ND	mg/L		0.03	
Chromium	ND	mg/L		0.03	
Lead	ND	mg/L		0.015	

Lab Control Spike/ Lab Control Spike Duplicate Summary

	Spike Amount		Spike Result			Recoveries			Limits		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1204854LCS1, QC1204854LCSD1											
Arsenic	20	20	19.7	19.7	mg/L	99	99	0	80-120	20	
Chromium	20	20	18.5	18.1	mg/L	93	91	2	80-120	20	
Lead	20	20	17.0	17.2	mg/L	85	86	1	80-120	20	

QCBatchID:	**QC1204856**	**Analyst:**	sbailey-woo	**Method:**	EPA 6010B
Matrix:	Solid	**Analyzed:**	07/31/2019	**Instrument:**	AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1204856MB1					
Chromium	ND	mg/L		0.05	
Lead	ND	mg/L		0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204856LCS1											
Chromium	2		1.886		mg/L	94			80-120		
Lead	2		1.861		mg/L	93			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1204856MS1, QC1204856MSD1												**Source: 417730-001**
Chromium	ND	1	1	0.947	0.916	mg/L	95	92	3.3	75-125	20	
Lead	0.044	1	1	0.975	0.912	mg/L	93	87	6.7	75-125	20	

QCBatchID: QC1205104	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Solid	Analyzed: 08/07/2019	Instrument: SVOA-MS (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1205104MB1					
1-Methylnaphthalene	ND	ug/Kg		10	
2-Methylnaphthalene	ND	ug/Kg		10	
Acenaphthene	ND	ug/Kg		10	
Acenaphthylene	ND	ug/Kg		10	
Anthracene	ND	ug/Kg		10	
Benz(a)anthracene	ND	ug/Kg		10	
Benzo(a)pyrene	ND	ug/Kg		10	
Benzo(b)fluoranthene	ND	ug/Kg		10	
Benzo(g,h,i)perylene	ND	ug/Kg		10	
Benzo(k)fluoranthene	ND	ug/Kg		10	
Chrysene	ND	ug/Kg		10	
Dibenz(a,h)anthracene	ND	ug/Kg		10	
Fluoranthene	ND	ug/Kg		10	
Fluorene	ND	ug/Kg		10	
Indeno(1,2,3-cd)pyrene	ND	ug/Kg		10	
Naphthalene	ND	ug/Kg		10	
Phenanthrene	ND	ug/Kg		10	
Pyrene	ND	ug/Kg		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205104LCS1											
1-Methylnaphthalene	50		42		ug/Kg	84			28-130		
2-Methylnaphthalene	50		47		ug/Kg	94			33-130		
Acenaphthene	50		35		ug/Kg	70			32-130		
Acenaphthylene	50		41		ug/Kg	82			28-130		
Anthracene	50		33		ug/Kg	66			34-130		
Benz(a)anthracene	50		40		ug/Kg	80			30-132		
Benzo(a)pyrene	50		39		ug/Kg	78			10-138		
Benzo(b)fluoranthene	50		49		ug/Kg	98			32-137		
Benzo(g,h,i)perylene	50		39		ug/Kg	78			27-130		
Benzo(k)fluoranthene	50		45		ug/Kg	90			32-130		
Chrysene	50		36		ug/Kg	72			29-130		
Dibenz(a,h)anthracene	50		45		ug/Kg	90			32-130		
Fluoranthene	50		44		ug/Kg	88			34-130		
Fluorene	50		37		ug/Kg	74			35-130		
Indeno(1,2,3-cd)pyrene	50		44		ug/Kg	88			34-132		
Naphthalene	50		42		ug/Kg	84			25-130		
Phenanthrene	50		35		ug/Kg	70			35-130		
Pyrene	50		42		ug/Kg	84			35-130		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205104MS1, QC1205104MSD1												**Source: 417431-022**
1-Methylnaphthalene	ND	50	50	32	33	ug/Kg	64	66	3.1	25-130	35	
2-Methylnaphthalene	5.7	50	50	37	38	ug/Kg	63	65	2.7	32-133	35	
Acenaphthene	1.5	50	50	32	31	ug/Kg	61			28-134	35	
Acenaphthylene	ND	50	50	35	36	ug/Kg	70			14-157	35	
Anthracene	2.7	50	50	33	32	ug/Kg	61			24-156	35	
Benz(a)anthracene	ND	50	50	41	40	ug/Kg	82	80	2.5	26-174	35	

QCBatchID: QC1205104	Analyst: Jarriaga	Method: EPA 8270CM
Matrix: Solid	Analyzed: 08/07/2019	Instrument: SVOA-MS (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205104MS1, QC1205104MSD1											**Source:**	**417431-022**
Benzo(a)pyrene	ND	50	50	35	41	ug/Kg	70	82	15.8	18-173	35	
Benzo(b)fluoranthene	ND	50	50	42	46	ug/Kg	84	92	9.1	36-164	35	
Benzo(g,h,i)perylene	ND	50	50	30	33	ug/Kg	60	66	9.5	36-130	35	
Benzo(k)fluoranthene	ND	50	50	40	43	ug/Kg	80	86	7.2	36-161	35	
Chrysene	ND	50	50	35	34	ug/Kg	70	68	2.9	40-139	35	
Dibenz(a,h)anthracene	ND	50	50	35	38	ug/Kg	70	76	8.2	38-132	35	
Fluoranthene	1.4	50	50	45	43	ug/Kg	87			28-160	35	
Fluorene	ND	50	50	36	34	ug/Kg	72			27-140	35	
Indeno(1,2,3-cd)pyrene	ND	50	50	34	38	ug/Kg	68	76	11.1	26-154	35	
Naphthalene	9.6	50	50	37	30	ug/Kg	55			33-130	35	
Phenanthrene	2.2	50	50	35	34	ug/Kg	66			29-147	35	
Pyrene	1.3	50	50	43	40	ug/Kg	83	77	7.2	26-153	35	

QCBatchID:	**QC1205114**	**Analyst:**	sbailey-woo	**Method:**	EPA 6010B
Matrix:	Solid	**Analyzed:**	08/07/2019	**Instrument:**	AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1205114MB1					
Arsenic	ND	mg/L		0.03	
Chromium	ND	mg/L		0.03	
Lead	ND	mg/L		0.015	

Lab Control Spike/ Lab Control Spike Duplicate Summary

	Spike Amount		Spike Result			Recoveries			Limits		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1205114LCS1, QC1205114LCSD1											
Arsenic	20	20	20.4	20.5	mg/L	102	103	0	80-120	20	
Chromium	20	20	18.7	18.3	mg/L	94	92	2	80-120	20	
Lead	20	20	18.4	18.9	mg/L	92	95	3	80-120	20	

QCBatchID: QC1206111	Analyst: kedy	Method: EPA 6010B
Matrix: Solid	Analyzed: 08/30/2019	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1206111MB1					
Antimony	ND	mg/Kg		3	
Arsenic	ND	mg/Kg		1	
Barium	ND	mg/Kg		1	
Beryllium	ND	mg/Kg		0.5	
Cadmium	ND	mg/Kg		0.5	
Chromium	ND	mg/Kg		1	
Cobalt	ND	mg/Kg		0.5	
Copper	ND	mg/Kg		1	
Lead	ND	mg/Kg		1	
Molybdenum	ND	mg/Kg		1	
Nickel	ND	mg/Kg		1.5	
Selenium	ND	mg/Kg		3	
Silver	ND	mg/Kg		0.5	
Thallium	ND	mg/Kg		3	
Vanadium	ND	mg/Kg		0.5	
Zinc	ND	mg/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206111LCS1											
Antimony	100		113		mg/Kg	113			80-120		
Arsenic	100		104		mg/Kg	104			80-120		
Barium	100		97.6		mg/Kg	98			80-120		
Beryllium	100		94.6		mg/Kg	95			80-120		
Cadmium	100		104		mg/Kg	104			80-120		
Chromium	100		108		mg/Kg	108			80-120		
Cobalt	100		105		mg/Kg	105			80-120		
Copper	100		97.7		mg/Kg	98			80-120		
Lead	100		110		mg/Kg	110			80-120		
Molybdenum	100		108		mg/Kg	108			80-120		
Nickel	100		106		mg/Kg	106			80-120		
Selenium	100		106		mg/Kg	106			80-120		
Silver	100		102		mg/Kg	102			80-120		
Thallium	100		104		mg/Kg	104			80-120		
Vanadium	100		98.1		mg/Kg	98			80-120		
Zinc	100		106		mg/Kg	106			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206111MS1, QC1206111MSD1												**Source: 418867-051**
Antimony	ND	100	100	55.3	45.6	mg/Kg	55	46	19.2	75-125	20	M
Arsenic	ND	100	100	88.5	75.8	mg/Kg	89	76	15.5	75-125	20	
Barium	105	100	100	212	207	mg/Kg	107	102	2.4	75-125	20	
Beryllium	ND	100	100	95.9	80.8	mg/Kg	96	81	17.1	75-125	20	
Cadmium	0.40	100	100	95.1	89.4	mg/Kg	95	89	6.2	75-125	20	
Chromium	17.0	100	100	113	109	mg/Kg	96	92	3.6	75-125	20	
Cobalt	9.91	100	100	104	97.5	mg/Kg	94	88	6.5	75-125	20	
Copper	12.8	100	100	116	111	mg/Kg	103	98	4.4	75-125	20	
Lead	4.19	100	100	102	90.3	mg/Kg	98	86	12.2	75-125	20	
Molybdenum	ND	100	100	94.7	83.1	mg/Kg	95	83	13.0	75-125	20	

QCBatchID: QC1206111	Analyst: kedy	Method: EPA 6010B
Matrix: Solid	Analyzed: 08/30/2019	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206111MS1, QC1206111MSD1												**Source: 418867-051**
Nickel	9.15	100	100	103	91.4	mg/Kg	94	82	11.9	75-125	20	
Selenium	ND	100	100	92.1	77.6	mg/Kg	92	78	17.1	75-125	20	
Silver	ND	100	100	94.2	87.3	mg/Kg	94	87	7.6	75-125	20	
Thallium	ND	100	100	89.1	78.9	mg/Kg	89	79	12.1	75-125	20	
Vanadium	37.1	100	100	138	133	mg/Kg	101	96	3.7	75-125	20	
Zinc	47.0	100	100	141	132	mg/Kg	94	85	6.6	75-125	20	

QCBatchID: QC1206689	Analyst: wragsdale	Method: EPA 6010B
Matrix: Solid	Analyzed: 09/16/2019	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1206689MB1					
Antimony	ND	mg/Kg		3	
Arsenic	ND	mg/Kg		1	
Barium	ND	mg/Kg		1	
Beryllium	ND	mg/Kg		0.5	
Cadmium	ND	mg/Kg		0.5	
Chromium	ND	mg/Kg		1	
Cobalt	ND	mg/Kg		0.5	
Copper	ND	mg/Kg		1	
Lead	ND	mg/Kg		1	
Molybdenum	ND	mg/Kg		1	
Nickel	ND	mg/Kg		1.5	
Selenium	ND	mg/Kg		3	
Silver	ND	mg/Kg		0.5	
Thallium	ND	mg/Kg		3	
Vanadium	ND	mg/Kg		0.5	
Zinc	ND	mg/Kg		5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206689LCS1											
Antimony	100		97.3		mg/Kg	97			80-120		
Arsenic	100		89.4		mg/Kg	89			80-120		
Barium	100		104		mg/Kg	104			80-120		
Beryllium	100		87.0		mg/Kg	87			80-120		
Cadmium	100		98.6		mg/Kg	99			80-120		
Chromium	100		106		mg/Kg	106			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		93.7		mg/Kg	94			80-120		
Lead	100		99.1		mg/Kg	99			80-120		
Molybdenum	100		101		mg/Kg	101			80-120		
Nickel	100		97.1		mg/Kg	97			80-120		
Selenium	100		89.3		mg/Kg	89			80-120		
Silver	100		95.5		mg/Kg	96			80-120		
Thallium	100		85.6		mg/Kg	86			80-120		
Vanadium	100		102		mg/Kg	102			80-120		
Zinc	100		94.6		mg/Kg	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206689MS1, QC1206689MSD1												**Source: 419318-001**
Antimony	ND	100	100	32.4	38.5	mg/Kg	32	39	17.2	75-125	20	M
Arsenic	3.98	100	100	81.6	88.2	mg/Kg	78	84	7.8	75-125	20	
Barium	64.8	100	100	159	167	mg/Kg	94	102	4.9	75-125	20	
Beryllium	ND	100	100	81.3	91.6	mg/Kg	81	92	11.9	75-125	20	
Cadmium	0.96	100	100	83.0	91.0	mg/Kg	82	90	9.2	75-125	20	
Chromium	15.3	100	100	104	113	mg/Kg	89	98	8.3	75-125	20	
Cobalt	7.37	100	100	93.6	99.0	mg/Kg	86	92	5.6	75-125	20	
Copper	31.4	100	100	112	118	mg/Kg	81	87	5.2	75-125	20	
Lead	19.8	100	100	105	124	mg/Kg	85	104	16.6	75-125	20	
Molybdenum	0.82	100	100	82.6	92.9	mg/Kg	82	92	11.7	75-125	20	

QCBatchID:	QC1206689	Analyst:	wragsdale	Method:	EPA 6010B
Matrix:	Solid	Analyzed:	09/16/2019	Instrument:	AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206689MS1, QC1206689MSD1											**Source:**	**419318-001**
Nickel	9.90	100	100	90.7	97.7	mg/Kg	81	88	7.4	75-125	20	
Selenium	1.54	100	100	75.7	81.3	mg/Kg	74	80	7.1	75-125	20	M
Silver	ND	100	100	80.9	89.8	mg/Kg	81	90	10.4	75-125	20	
Thallium	ND	100	100	75.9	81.9	mg/Kg	76	82	7.6	75-125	20	
Vanadium	29.4	100	100	119	130	mg/Kg	90	101	8.8	75-125	20	
Zinc	55.6	100	100	142	159	mg/Kg	86	103	11.3	75-125	20	

QCBatchID: QC1206731	Analyst: kedy	Method: EPA 6010B
Matrix: Solid	Analyzed: 09/17/2019	Instrument: AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1206731MB1					
Antimony		mg/L		0.05	
Arsenic	ND	mg/L		0.05	
Barium	ND	mg/L		0.5	
Beryllium	ND	mg/L		0.05	
Cadmium	ND	mg/L		0.05	
Chromium	ND	mg/L		0.05	
Cobalt	ND	mg/L		0.05	
Copper	ND	mg/L		0.05	
Lead	ND	mg/L		0.05	
Molybdenum	ND	mg/L		0.05	
Nickel	ND	mg/L		0.05	
Selenium	ND	mg/L		0.05	
Silver		mg/L		0.05	
Thallium	ND	mg/L		0.05	
Vanadium	ND	mg/L		0.05	
Zinc	**0.056**	mg/L		0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206731LCS1											
Antimony	2		2.06		mg/L	103			80-120		
Arsenic	2		2.04		mg/L	102			80-120		
Barium	2		2.12		mg/L	106			80-120		
Beryllium	2		1.84		mg/L	92			80-120		
Cadmium	2		2.11		mg/L	106			80-120		
Chromium	2		2.02		mg/L	101			80-120		
Cobalt	2		1.92		mg/L	96			80-120		
Copper	2		2.08		mg/L	104			80-120		
Lead	2		1.880		mg/L	94			80-120		
Molybdenum	2		2.07		mg/L	104			80-120		
Nickel	2		1.82		mg/L	91			80-120		
Selenium	2		2.09		mg/L	105			80-120		
Silver	1				mg/L				80-120		
Thallium	2		1.63		mg/L	82			80-120		
Vanadium	2		2.07		mg/L	104			80-120		
Zinc	2		2.12		mg/L	106			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206731MS1, QC1206731MSD1												**Source: 418919-001**
Antimony		1	1			mg/L				75-125	20	
Arsenic	1.766	1	1	2.94	3.00	mg/L	117	123	2.0	75-125	20	
Barium	0.58	1	1	1.53	1.52	mg/L	95	94	0.7	75-125	20	
Beryllium	0.004	1	1	0.956	0.928	mg/L	95	92	3.0	75-125	20	
Cadmium	0.004	1	1	1.027	0.998	mg/L	102	99	2.9	75-125	20	
Chromium	0.012	1	1	1.015	0.998	mg/L	100	99	1.7	75-125	20	
Cobalt	0.007	1	1	0.942	0.905	mg/L	94	90	4.0	75-125	20	
Copper	0.022	1	1	1.04	1.02	mg/L	102	100	1.9	75-125	20	
Lead	0.014	1	1	0.977	0.980	mg/L	96	97	0.3	75-125	20	
Molybdenum	0.010	1	1	1.06	1.08	mg/L	105	107	1.9	75-125	20	

QCBatchID: QC1206731	Analyst: kedy	Method: EPA 6010B
Matrix: Solid	Analyzed: 09/17/2019	Instrument: AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1206731MS1, QC1206731MSD1												**Source: 418919-001**
Nickel	0.012	1	1	0.920	0.923	mg/L	91	91	0.3	75-125	20	
Selenium		1	1			mg/L				75-125	20	
Silver		0.5	0.5			mg/L				75-125	20	
Thallium	0.032	1	1	0.857	0.886	mg/L	83	85	3.3	75-125	20	
Vanadium	0.017	1	1	1.04	1.02	mg/L	102	100	1.9	75-125	20	
Zinc	0.281	1	1	1.353	1.265	mg/L	107	98	6.7	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

Enthalpy Analytical
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900

enthalpy.com

Lab Job Number: 312074
Report Level: II
Report Date: 08/01/2019

Analytical Report *prepared for:*

Ranjit Clarke
Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868

Location: 417431

Authorized for release by:

Patrick McCarthy, Project Manager
(510) 204-2236 ext 13115
patrick.mccarthy@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 2896, NELAP# 4044-001

ENTHALPY ANALYTICAL

Sample Summary

Ranjit Clarke
Enthalpy Analytical, Inc.
931 W. Barkley Avenue
Orange, CA 92868

Lab Job Number: 312074
Location: 417431
Date Received: 07/24/19

Sample ID	Lab ID	Collected	Matrix
B1-0.5' (417431-001)	312074-001	07/18/19 06:58	Soil
B1-5' (417431-002)	312074-002	07/18/19 07:14	Soil
B2-0.5' (417431-007)	312074-003	07/18/19 08:10	Soil
B2-5' (417431-008)	312074-004	07/18/19 08:12	Soil
B3-0.5'(417431-013)	312074-005	07/18/19 10:00	Soil
B3-5'(417431-014)	312074-006	07/18/19 10:08	Soil
B4-0.5'(417431-019)	312074-007	07/18/19 11:30	Soil
B4A-5'(417431-021)	312074-008	07/18/19 13:30	Soil
B5-0.5'(417431-026)	312074-009	07/18/19 11:56	Soil
B5-5'(417431-027)	312074-010	07/18/19 12:03	Soil
B19-0.5'(417431-032)	312074-011	07/18/19 14:10	Soil
B19-1'(417431-033)	312074-012	07/18/19 14:12	Soil
B13-0.5'(417431-036)	312074-013	07/18/19 14:20	Soil
B13-1'(417431-037)	312074-014	07/18/19 14:22	Soil
B14-0.5'(417431-040)	312074-015	07/18/19 13:55	Soil
B14-1'(417431-041)	312074-016	07/18/19 13:58	Soil
B15-0.5'(417431-044)	312074-017	07/18/19 15:30	Soil
B15-1'(417431-045)	312074-018	07/18/19 15:32	Soil
DUP-1(417431-048)	312074-019	07/18/19 00:00	Soil
DUP-2(417431-049)	312074-020	07/18/19 00:00	Soil
DUP-3 (417431-050)	312074-021	07/18/19 00:00	Soil

Case Narrative

Enthalpy Analytical, Inc. 931 W. Barkley Avenue Orange, CA 92868 Ranjit Clarke	Lab Job Number: 312074 Location: 417431 Date Received: 07/24/19

This data package contains sample and QC results for twenty one soil samples, requested for the above referenced project on 07/24/19. The samples were received cold and intact.

PCBs (EPA 8082):

All samples underwent sulfuric acid cleanup using EPA Method 3665A. All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. Matrix spikes were not performed for this analysis in batch 272450 due to insufficient sample amount. Matrix spikes were not performed for this analysis in batch 272497 due to insufficient sample amount. Matrix spikes were not performed for this analysis in batch 272513 due to insufficient sample amount. Many samples were diluted due to the color of the sample extracts. No other analytical problems were encountered.

Detection Summary for 312074

Client: Enthalpy Analytical, Inc.
Location 417431

No detections for B1-0.5' (417431-001), Lab ID 312074-001

No detections for B1-5' (417431-002), Lab ID 312074-002

No detections for B2-0.5' (417431-007), Lab ID 312074-003

No detections for B2-5' (417431-008), Lab ID 312074-004

No detections for B3-0.5'(417431-013), Lab ID 312074-005

No detections for B3-5'(417431-014), Lab ID 312074-006

Sample ID: B4-0.5'(417431-019) Lab ID: 312074-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Aroclor-1260	20		16	ug/Kg	As Recd	5.000	EPA 8082	EPA 3540C

No detections for B4A-5'(417431-021), Lab ID 312074-008

No detections for B5-0.5'(417431-026), Lab ID 312074-009

No detections for B5-5'(417431-027), Lab ID 312074-010

No detections for B19-0.5'(417431-032), Lab ID 312074-011

No detections for B19-1'(417431-033), Lab ID 312074-012

No detections for B13-0.5'(417431-036), Lab ID 312074-013

No detections for B13-1'(417431-037), Lab ID 312074-014

Sample ID: B14-0.5'(417431-040) Lab ID: 312074-015

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Aroclor-1254	12		10	ug/Kg	As Recd	3.000	EPA 8082	EPA 3540C

No detections for B14-1'(417431-041), Lab ID 312074-016

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Detection Summary for 312074

Sample ID: B15-0.5'(417431-044)								Lab ID: 312074-017
Analyte	**Result**	**Flags**	**RL**	**Units**	**Basis**	**IDF**	**Method**	**Prep Method**
Aroclor-1254	140		6.8	ug/Kg	As Recd	2.000	EPA 8082	EPA 3540C
Aroclor-1260	28		6.8	ug/Kg	As Recd	2.000	EPA 8082	EPA 3540C

No detections for B15-1'(417431-045), Lab ID 312074-018

No detections for DUP-1(417431-048), Lab ID 312074-019

No detections for DUP-2(417431-049), Lab ID 312074-020

No detections for DUP-3 (417431-050), Lab ID 312074-021

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

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MONTROSE

Subcontract Laboratory:

Enthalpy - Berkeley - Sub
2323 5th St.
Berkeley, CA 94710

ATTN: Patrick McCarthy
PO# N/A

Project: 417431 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note:

Matrix		Sampled	Sample ID	Analysis	Comment
Solid	1	07/18/19 06:58	B1-0.5' (417431-001)	8082_3540C_OUT	
Solid	2	07/18/19 07:14	B1-5' (417431-002)	8082_3540C_OUT	
Solid	3	07/18/19 08:10	B2-0.5' (417431-007)	8082_3540C_OUT	
Solid	4	07/18/19 08:12	B2-5' (417431-008)	8082_3540C_OUT	
Solid	5	07/18/19 10:00	B3-0.5' (417431-013)	8082_3540C_OUT	
Solid	6	07/18/19 10:08	B3-5' (417431-014)	8082_3540C_OUT	
Solid	7	07/18/19 11:30	B4-0.5' (417431-019)	8082_3540C_OUT	
Solid	8	07/18/19 13:30	B4A-5' (417431-021)	8082_3540C_OUT	
Solid	9	07/18/19 11:56	B5-0.5' (417431-026)	8082_3540C_OUT	
Solid	10	07/18/19 12:03	B5-5' (417431-027)	8082_3540C_OUT	
Solid	11	07/18/19 14:10	B19-0.5' (417431-032)	8082_3540C_OUT	
Solid	12	07/18/19 14:12	B19-1' (417431-033)	8082_3540C_OUT	
Solid	13	07/18/19 14:20	B13-0.5' (417431-036)	8082_3540C_OUT	
Solid	14	07/18/19 14:22	B13-1' (417431-037)	8082_3540C_OUT	
Solid	15	07/18/19 13:55	B14-0.5' (417431-040)	8082_3540C_OUT	
Solid	16	07/18/19 13:58	B14-1' (417431-041)	8082_3540C_OUT	
Solid	17	07/18/19 15:30	B15-0.5' (417431-044)	8082_3540C_OUT	
Solid	18	07/18/19 15:32	B15-1' (417431-045)	8082_3540C_OUT	
Solid	19	07/18/19 00:00	Dup-1 (417431-048)	8082_3540C_OUT	
Solid	20	07/18/19 00:00	Dup-2 (417431-049)	8082_3540C_OUT	
Solid	21	07/18/19 00:00	Dup-3 (417431-050)	8082_3540C_OUT	

3/2074

Note:
Standard TAT

Relinquished By	Received By:
Date/Time 7/23/19 1830	Date/Time 7/24/19 09:27
Date/Time	Date/Time

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 312074 Client: EIS-SC

Date Received: 7/24/19 Project: _____

ENTHALPY

Section 2: Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ A, or ☐ B

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 7/24/19 By (print) AC (sign) [signature]

Shipping info (if applicable) 5455901 71 GSO

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☑ N/A

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe)_____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☑ A ☐ B

Cooler Temp (°C): #1: 3.2, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	—		
Were Method 5035 sampling containers present?		—	
If YES, what time were they transferred to freezer?_____			
Did all bottles arrive unbroken/unopened?	—		
Are there any missing / extra samples?		—	
Are samples in the appropriate containers for indicated tests?	—		
Are sample labels present, in good condition and complete?	—		
Does the container count match the COC?	—		
Do the sample labels agree with custody papers?	—		
Was sufficient amount of sample sent for tests requested?	—		
Did you change the hold time in LIMS for unpreserved VOAs?	*AC		—
Did you change the hold time in LIMS for preserved terracores?			—
Are bubbles > 6mm absent in VOA samples?			—
Was the client contacted concerning this sample delivery?		—	
If YES, who was called?_____ By_____ Date:_____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			✓
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 7/24/19 **By (print)** AC **(sign)** [signature]

Date Labeled 7/24/19 **By (print)** AC **(sign)** [signature]

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B1-0.5' (417431-001) **Diln Fac:** 10.00 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272450 **Prep:** EPA 3540C
Lab ID: 312074-001 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/24/19

Analyte	Result	RL	Units
Aroclor-1016	ND	33	ug/Kg
Aroclor-1221	ND	67	ug/Kg
Aroclor-1232	ND	33	ug/Kg
Aroclor-1242	ND	33	ug/Kg
Aroclor-1248	ND	33	ug/Kg
Aroclor-1254	ND	33	ug/Kg
Aroclor-1260	ND	33	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Field ID: B1-5' (417431-002) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272450 **Prep:** EPA 3540C
Lab ID: 312074-002 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/24/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.7	ug/Kg
Aroclor-1221	ND	13	ug/Kg
Aroclor-1232	ND	6.7	ug/Kg
Aroclor-1242	ND	6.7	ug/Kg
Aroclor-1248	ND	6.7	ug/Kg
Aroclor-1254	ND	6.7	ug/Kg
Aroclor-1260	ND	6.7	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	90	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B2-0.5' (417431-007) **Diln Fac:** 20.00 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272450 **Prep:** EPA 3540C
Lab ID: 312074-003 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/24/19

Analyte	Result	RL	Units
Aroclor-1016	ND	69	ug/Kg
Aroclor-1221	ND	140	ug/Kg
Aroclor-1232	ND	69	ug/Kg
Aroclor-1242	ND	69	ug/Kg
Aroclor-1248	ND	69	ug/Kg
Aroclor-1254	ND	69	ug/Kg
Aroclor-1260	ND	69	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Field ID: B2-5' (417431-008) **Diln Fac:** 20.00 **Analyzed:** 07/27/19
Type: SAMPLE **Batch#:** 272450 **Prep:** EPA 3540C
Lab ID: 312074-004 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/24/19

Analyte	Result	RL	Units
Aroclor-1016	ND	67	ug/Kg
Aroclor-1221	ND	130	ug/Kg
Aroclor-1232	ND	67	ug/Kg
Aroclor-1242	ND	67	ug/Kg
Aroclor-1248	ND	67	ug/Kg
Aroclor-1254	ND	67	ug/Kg
Aroclor-1260	ND	67	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B3-0.5'(417431-013) **Diln Fac:** 20.00 **Analyzed:** 07/27/19
Type: SAMPLE **Batch#:** 272450 **Prep:** EPA 3540C
Lab ID: 312074-005 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/24/19

Analyte	Result	RL	Units
Aroclor-1016	ND	68	ug/Kg
Aroclor-1221	ND	140	ug/Kg
Aroclor-1232	ND	68	ug/Kg
Aroclor-1242	ND	68	ug/Kg
Aroclor-1248	ND	68	ug/Kg
Aroclor-1254	ND	68	ug/Kg
Aroclor-1260	ND	68	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Field ID: B3-5'(417431-014) **Diln Fac:** 10.00 **Analyzed:** 07/27/19
Type: SAMPLE **Batch#:** 272450 **Prep:** EPA 3540C
Lab ID: 312074-006 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/24/19

Analyte	Result	RL	Units
Aroclor-1016	ND	33	ug/Kg
Aroclor-1221	ND	66	ug/Kg
Aroclor-1232	ND	33	ug/Kg
Aroclor-1242	ND	33	ug/Kg
Aroclor-1248	ND	33	ug/Kg
Aroclor-1254	ND	33	ug/Kg
Aroclor-1260	ND	33	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID:	B4-0.5'(417431-019)	**Diln Fac:**	5.000	**Analyzed:**	07/26/19
Type:	SAMPLE	**Batch#:**	272497	**Prep:**	EPA 3540C
Lab ID:	312074-007	**Sampled:**	07/18/19	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	07/24/19		
Basis:	as received	**Prepared:**	07/25/19		

Analyte	Result	RL	Units
Aroclor-1016	ND	16	ug/Kg
Aroclor-1221	ND	33	ug/Kg
Aroclor-1232	ND	16	ug/Kg
Aroclor-1242	ND	16	ug/Kg
Aroclor-1248	ND	16	ug/Kg
Aroclor-1254	ND	16	ug/Kg
Aroclor-1260	**20**	16	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	139	49-157

Field ID:	B4A-5'(417431-021)	**Diln Fac:**	3.000	**Analyzed:**	07/26/19
Type:	SAMPLE	**Batch#:**	272497	**Prep:**	EPA 3540C
Lab ID:	312074-008	**Sampled:**	07/18/19	**Analysis:**	EPA 8082
Matrix:	Soil	**Received:**	07/24/19		
Basis:	as received	**Prepared:**	07/25/19		

Analyte	Result	RL	Units
Aroclor-1016	ND	10	ug/Kg
Aroclor-1221	ND	20	ug/Kg
Aroclor-1232	ND	10	ug/Kg
Aroclor-1242	ND	10	ug/Kg
Aroclor-1248	ND	10	ug/Kg
Aroclor-1254	ND	10	ug/Kg
Aroclor-1260	ND	10	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	128	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B5-0.5'(417431-026) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-009 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.6	ug/Kg
Aroclor-1221	ND	13	ug/Kg
Aroclor-1232	ND	6.6	ug/Kg
Aroclor-1242	ND	6.6	ug/Kg
Aroclor-1248	ND	6.6	ug/Kg
Aroclor-1254	ND	6.6	ug/Kg
Aroclor-1260	ND	6.6	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	124	49-157

Field ID: B5-5'(417431-027) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-010 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.7	ug/Kg
Aroclor-1221	ND	13	ug/Kg
Aroclor-1232	ND	6.7	ug/Kg
Aroclor-1242	ND	6.7	ug/Kg
Aroclor-1248	ND	6.7	ug/Kg
Aroclor-1254	ND	6.7	ug/Kg
Aroclor-1260	ND	6.7	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	89	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B19-0.5'(417431-032) **Diln Fac:** 10.00 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-011 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	33	ug/Kg
Aroclor-1221	ND	66	ug/Kg
Aroclor-1232	ND	33	ug/Kg
Aroclor-1242	ND	33	ug/Kg
Aroclor-1248	ND	33	ug/Kg
Aroclor-1254	ND	33	ug/Kg
Aroclor-1260	ND	33	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Field ID: B19-1'(417431-033) **Diln Fac:** 10.00 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-012 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	34	ug/Kg
Aroclor-1221	ND	67	ug/Kg
Aroclor-1232	ND	34	ug/Kg
Aroclor-1242	ND	34	ug/Kg
Aroclor-1248	ND	34	ug/Kg
Aroclor-1254	ND	34	ug/Kg
Aroclor-1260	ND	34	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B13-0.5'(417431-036) **Diln Fac:** 3.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-013 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	10	ug/Kg
Aroclor-1221	ND	20	ug/Kg
Aroclor-1232	ND	10	ug/Kg
Aroclor-1242	ND	10	ug/Kg
Aroclor-1248	ND	10	ug/Kg
Aroclor-1254	ND	10	ug/Kg
Aroclor-1260	ND	10	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	145	49-157

Field ID: B13-1'(417431-037) **Diln Fac:** 3.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-014 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	10	ug/Kg
Aroclor-1221	ND	20	ug/Kg
Aroclor-1232	ND	10	ug/Kg
Aroclor-1242	ND	10	ug/Kg
Aroclor-1248	ND	10	ug/Kg
Aroclor-1254	ND	10	ug/Kg
Aroclor-1260	ND	10	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	131	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B14-0.5'(417431-040) **Diln Fac:** 3.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272497 **Prep:** EPA 3540C
Lab ID: 312074-015 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	10	ug/Kg
Aroclor-1221	ND	20	ug/Kg
Aroclor-1232	ND	10	ug/Kg
Aroclor-1242	ND	10	ug/Kg
Aroclor-1248	ND	10	ug/Kg
Aroclor-1254	**12**	10	ug/Kg
Aroclor-1260	ND	10	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	128	49-157

Field ID: B14-1'(417431-041) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272513 **Prep:** EPA 3540C
Lab ID: 312074-016 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.8	ug/Kg
Aroclor-1221	ND	14	ug/Kg
Aroclor-1232	ND	6.8	ug/Kg
Aroclor-1242	ND	6.8	ug/Kg
Aroclor-1248	ND	6.8	ug/Kg
Aroclor-1254	ND	6.8	ug/Kg
Aroclor-1260	ND	6.8	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	124	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: B15-0.5'(417431-044) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272513 **Prep:** EPA 3540C
Lab ID: 312074-017 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.8	ug/Kg
Aroclor-1221	ND	14	ug/Kg
Aroclor-1232	ND	6.8	ug/Kg
Aroclor-1242	ND	6.8	ug/Kg
Aroclor-1248	ND	6.8	ug/Kg
Aroclor-1254	**140**	6.8	ug/Kg
Aroclor-1260	**28**	6.8	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	126	49-157

Field ID: B15-1'(417431-045) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272513 **Prep:** EPA 3540C
Lab ID: 312074-018 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.6	ug/Kg
Aroclor-1221	ND	13	ug/Kg
Aroclor-1232	ND	6.6	ug/Kg
Aroclor-1242	ND	6.6	ug/Kg
Aroclor-1248	ND	6.6	ug/Kg
Aroclor-1254	ND	6.6	ug/Kg
Aroclor-1260	ND	6.6	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	130	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: DUP-1(417431-048) **Diln Fac:** 20.00 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272513 **Prep:** EPA 3540C
Lab ID: 312074-019 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	67	ug/Kg
Aroclor-1221	ND	130	ug/Kg
Aroclor-1232	ND	67	ug/Kg
Aroclor-1242	ND	67	ug/Kg
Aroclor-1248	ND	67	ug/Kg
Aroclor-1254	ND	67	ug/Kg
Aroclor-1260	ND	67	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

Field ID: DUP-2(417431-049) **Diln Fac:** 10.00 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272513 **Prep:** EPA 3540C
Lab ID: 312074-020 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	33	ug/Kg
Aroclor-1221	ND	66	ug/Kg
Aroclor-1232	ND	33	ug/Kg
Aroclor-1242	ND	33	ug/Kg
Aroclor-1248	ND	33	ug/Kg
Aroclor-1254	ND	33	ug/Kg
Aroclor-1260	ND	33	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	DO	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Field ID: DUP-3 (417431-050) **Diln Fac:** 2.000 **Analyzed:** 07/26/19
Type: SAMPLE **Batch#:** 272513 **Prep:** EPA 3540C
Lab ID: 312074-021 **Sampled:** 07/18/19 **Analysis:** EPA 8082
Matrix: Soil **Received:** 07/24/19
Basis: as received **Prepared:** 07/25/19

Analyte	Result	RL	Units
Aroclor-1016	ND	6.6	ug/Kg
Aroclor-1221	ND	13	ug/Kg
Aroclor-1232	ND	6.6	ug/Kg
Aroclor-1242	ND	6.6	ug/Kg
Aroclor-1248	ND	6.6	ug/Kg
Aroclor-1254	ND	6.6	ug/Kg
Aroclor-1260	ND	6.6	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	130	49-157

Type: BLANK **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC983843 **Batch#:** 272450 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/24/19 **Analysis:** EPA 8082

Analyte	Result	RL	Units
Aroclor-1016	ND	4.8	ug/Kg
Aroclor-1221	ND	9.6	ug/Kg
Aroclor-1232	ND	4.8	ug/Kg
Aroclor-1242	ND	4.8	ug/Kg
Aroclor-1248	ND	4.8	ug/Kg
Aroclor-1254	ND	4.8	ug/Kg
Aroclor-1260	ND	4.8	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	138	49-157

Type: BLANK **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC984038 **Batch#:** 272497 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/25/19 **Analysis:** EPA 8082

Analyte	Result	RL	Units
Aroclor-1016	ND	4.8	ug/Kg
Aroclor-1221	ND	9.6	ug/Kg
Aroclor-1232	ND	4.8	ug/Kg
Aroclor-1242	ND	4.8	ug/Kg
Aroclor-1248	ND	4.8	ug/Kg
Aroclor-1254	ND	4.8	ug/Kg
Aroclor-1260	ND	4.8	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	108	49-157

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #:	312074	**Project#:**	STANDARD
Client:	Enthalpy Analytical, Inc.	**Location:**	417431

Type:	BLANK	**DiIn Fac:**	1.000	**Analyzed:**	07/26/19
Lab ID:	QC984108	**Batch#:**	272513	**Prep:**	EPA 3540C
Matrix:	Soil	**Prepared:**	07/25/19	**Analysis:**	EPA 8082

Analyte	Result	RL	Units
Aroclor-1016	ND	4.8	ug/Kg
Aroclor-1221	ND	9.6	ug/Kg
Aroclor-1232	ND	4.8	ug/Kg
Aroclor-1242	ND	4.8	ug/Kg
Aroclor-1248	ND	4.8	ug/Kg
Aroclor-1254	ND	4.8	ug/Kg
Aroclor-1260	ND	4.8	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	115	49-157

Legend

DO: Diluted Out

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Analytical Report

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Type: BS **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC983844 **Batch#:** 272450 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/24/19 **Analysis:** EPA 8082

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	83.33	62.57	75	63-143	ug/Kg
Aroclor-1260	83.33	86.72	104	59-157	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	120	49-157

Type: BSD **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC983845 **Batch#:** 272450 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/24/19 **Analysis:** EPA 8082

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	83.33	67.33	81	63-143	ug/Kg	7	44
Aroclor-1260	83.33	95.33	114	59-157	ug/Kg	9	36

Surrogate	%REC	Limits
Decachlorobiphenyl	131	49-157

Legend

RPD: Relative Percent Difference

Analytical Report

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Type: BS **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC984039 **Batch#:** 272497 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/25/19 **Analysis:** EPA 8082

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	83.33	83.10	100	63-143	ug/Kg
Aroclor-1260	83.33	87.32	105	59-157	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	106	49-157

Type: BSD **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC984040 **Batch#:** 272497 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/25/19 **Analysis:** EPA 8082

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	83.33	86.74	104	63-143	ug/Kg	4	44
Aroclor-1260	83.33	95.60	115	59-157	ug/Kg	9	36

Surrogate	%REC	Limits
Decachlorobiphenyl	127	49-157

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Analytical Report

Lab #: 312074 **Project#:** STANDARD
Client: Enthalpy Analytical, Inc. **Location:** 417431

Type: BS **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC984109 **Batch#:** 272513 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/25/19 **Analysis:** EPA 8082

Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	83.33	68.67	82	63-143	ug/Kg
Aroclor-1260	83.33	75.96	91	59-157	ug/Kg

Surrogate	%REC	Limits
Decachlorobiphenyl	116	49-157

Type: BSD **Diln Fac:** 1.000 **Analyzed:** 07/26/19
Lab ID: QC984110 **Batch#:** 272513 **Prep:** EPA 3540C
Matrix: Soil **Prepared:** 07/25/19 **Analysis:** EPA 8082

Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	83.33	70.70	85	63-143	ug/Kg	3	44
Aroclor-1260	83.33	80.51	97	59-157	ug/Kg	6	36

Surrogate	%REC	Limits
Decachlorobiphenyl	124	49-157

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 417431

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Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Name:	RCTC Riverside Downtown Metrolink
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	
Address:	475 Goddard, Suite 200	Address:	Riverside Downtown Metrolink Station
	Irvine, CA 92618		Riverside , California
Phone:	(949) 753-7070	Global ID:	
Fax:	(949) 753-7071	Sampled By:	Audrey Carroll & Dennis Fee

Analysis Request

Test Instructions/Comments

cc: Dennis Fee, dfee@ninyoandmoore.com, Audrey Carroll, acarroll@ninyoandmoore.com, Jay Roberts, jroberts@ninyoandmoore.com

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	(TPHg) EPA Method 8015B/5035	(TPHcc) EPA Method 8015B	(VOCs) EPA Method 8260B/5035	(SVOCs) EPA Method 8270	(PAHs) EPA Method 8270 SIM	(PCBs) EPA Method 8082/3540C	(OCPs) EPA Method 8081A	(Title 22 Metals) EPA Method 6010B/7471A	(PCBs) EPA Method 8082	(VOCs) EPA Method 8260B	Hold		Test Instructions/Comments
1	B1-0.5'	7/18/19	0658	SOIL	1 ~~Sleeve~~ DWF 5 VOAs	1,6	X	X	X		X	X		X					PID: 1.0
2	B1-5'	↓	0714	↓	1 sleeve	–						X		X					PID: 1.0
3	B1-10'	↓	0716	↓	1 sleeve	–											X		PID: 0.8, Hold
4	B1-15'	↓	0718	↓	1 sleeve	–											X		PID: 0.8, Hold
5	B1-20'	↓	0722	↓	1 sleeve 5 VOAs	1,6	X	X	X		X								PID: 1.1
6	B1-25'	↓	0728	↓	1 sleeve	–											X		PID: 1.1, Hold
7	B2-0.5'	↓	0810	↓	DWF 8 oz air 1 ~~sleeve~~	–						X		X					PID: 0.8
8	B2-5'	↓	0821	↓	1 sleeve	–						X		X					PID: 0.8
9	B2-10'	↓	0828	↓	1 sleeve	–											X		PID: 1.0, Hold
10	B2-15'	↓	0831	↓	1 sleeve 5 VOAs	1,6	X	X	X		X						~~X~~ DWF		PID: 1.2

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Dennis Fee	Ninyo & Moore	7/18/19 1828
1 Received By:	[signature]	ZAND P	EA/GL	7/18/19 1828
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 2 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:
(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Name:	RCTC Riverside Downtown Metrolink
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	
Address:	475 Goddard, Suite 200	Address:	Riverside Downtown Metrolink Station
	Irvine, CA 92618		Riverside , California
Phone:	(949) 753-7070	Global ID:	
Fax:	(949) 753-7071	Sampled By:	Audrey Carroll & Dennis Fee

Test Instructions/Comments
cc: Dennis Fee, dfee@ninyoandmoore.com, Audrey Carroll, acarroll@ninyoandmoore.com, Jay Roberts, jroberts@ninyoandmoore.com

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	(TPHg) EPA Method 8015B/5035	(TPHcc) EPA Method 8015B	(VOCs) EPA Method 8260B/5035	(SVOCs) EPA Method 8270	(PAHs) EPA Method 8270 SIM	(PCBs) EPA Method 8082/3540C	(OCPs) EPA Method 8081A	(Title 22 Metals) EPA Method 6010B/7471A	(PCBs) EPA Method 8082	(VOCs) EPA Method 8260B	Hold		Test Instructions/Comments
1	B2 -20'	7/18/19	0835	Soil	1 sleeve	–											X		PID: 1.2, Hold
2	B2 -25'	↓	0838	↓	1 sleeve 5 VOAs	1,6	X	X	X		X								PID: 1.3
3	B3 -0.5'		1000		1 ~~sleeve~~ 5 VOAs DW	1,6	X	X	X		X	X		X					PID: 0.9
4	B3 -5'		1008		1 sleeve	–						X		X					PID: 0.5
5	B3 -10'		1012		1 sleeve 5 VOAs	1,6	X	X	X		X								PID: 1.1
6	B3 -15'		1017		1 sleeve	–											X		PID: 0.6, Hold
7	B3 -20'		1023		1 sleeve	–											X		PID: 0.6, Hold
8	B3 -25'		1028		1 sleeve	–											X		PID: 0.2, Hold
9	B4 -0.5'		1130		1 8-oz jar	–						X							PID: 0.9
10	B4A -0.5'	↓	1325	↓	1 8-oz jar	–								X					PID: 1.0

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Dennis Fee	Ninyo & Moore	7/18/19 1828
1 Received By:	[signature]	Zam P.	EA/GL	7/18/19 1828
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 3 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:
(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Name:	RCTC Riverside Downtown Metrolink
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	
Address:	475 Goddard, Suite 200	Address:	Riverside Downtown Metrolink Station
	Irvine, CA 92618		Riverside , California
Phone:	(949) 753-7070	Global ID:	
Fax:	(949) 753-7071	Sampled By:	Audrey Carroll & Dennis Fee

Test Instructions/Comments: cc: Dennis Fee, dfee@ninyoandmoore.com, Audrey Carroll, acarroll@ninyoandmoore.com, Jay Roberts, jroberts@ninyoandmoore.com

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	(TPHg) EPA Method 8015B/5035	(TPHcc) EPA Method 8015B	(VOCs) EPA Method 8260B/5035	(SVOCs) EPA Method 8270	(PAHs) EPA Method 8270 SIM	(PCBs) EPA Method 8082/3540C	(OCPs) EPA Method 8081A	(Title 22 Metals) EPA Method 6010B/7471A	(PCBs) EPA Method 8082	(VOCs) EPA Method 8260B	Hold		Test Instructions/Comments
1	B4A -5'	7/18/19	1330	SOIL	1 sleeve, 5 VOAs	1,6	X	X	X		X	X		X					PID: 2.2
2	B4A -10'	↓	1334	↓	1 sleeve	-											X		PID: 1.4, Hold
3	B4A -15'		1338		1 sleeve	-											X		PID: 1.0, Hold
4	B4A -20'		1342		1 sleeve, 5 VOAs	1,6	X	X	X		X								PID: 2.6
5	B4A -25'		1345		1 sleeve	-											X		PID: 1.0, Hold
6	B5 -0.5'		1156		1 8-oz jar 5 VOAs	1,6	X	X	X		X	X		X					PID: 0.9
7	B5 -5'		1203		1 sleeve	-						X		X					PID: 0.3, ~~[illegible]~~ Dup
8	B5 -10'		1207		1 sleeve	-											X		PID: 0.7, Hold
9	B5 -15'		1212		1 sleeve, 5 VOAs	1,6	X	X	X		X			~~[illegible]~~	Dup				PID: 1.3 (collect from jar)
10	B5 -20	↓	1215	↓	1 sleeve	-											X		PID: 0.8, Hold

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Dennis Fee	Ninyo & Moore	7/18/19 1828
1 Received By:	[signature]	Zan P.	EA/GL.	7/18/19 1828.
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 4 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:
(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Name:	RCTC Riverside Downtown Metrolink
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	
Address:	475 Goddard, Suite 200	Address:	Riverside Downtown Metrolink Station
	Irvine, CA 92618		Riverside , California
Phone:	(949) 753-7070	Global ID:	
Fax:	(949) 753-7071	Sampled By:	Audrey Carroll & Dennis Fee

Test Instructions/Comments
cc: Dennis Fee, dfee@ninyoandmoore.com, Audrey Carroll, acarroll@ninyoandmoore.com, Jay Roberts, jroberts@ninyoandmoore.com

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	(TPHg) EPA Method 8015B/5035	(TPHcc) EPA Method 8015B	(VOCs) EPA Method 8260B/5035	(SVOCs) EPA Method 8270	(PAHs) EPA Method 8270 SIM	(PCBs) EPA Method 8082/3540C	(OCPs) EPA Method 8081A	(Title 22 Metals) EPA Method 6010B/7471A	(PCBs) EPA Method 8082	(VOCs) EPA Method 8260B	Hold		
1	B5-25'	7/18/19	1219	SOIL	1 sleeve	–											X		PID: 0.4, Hold
2	B19-0.5'	↓	1410	↓	1 sleeve	–						X		X					PID: 0.4
3	B19-1'		1412		1 sleeve, 5 VOAs	1,6	X	X	X		X	X	X	X					PID: 0.6
4	B19-2'		1417		1 sleeve	–											X		PID: 0.5, Hold
5	B19-5'		1422		1 sleeve, 5 VOAs	1,6	X	X	X		X		X						PID: 0.7
6	B13-0.5'		1420		1 sleeve, 5 VOAs	1,6	X	X	X		X	X	X	X					PID: 1.6
7	B13-1'		1422		1 sleeve, 5 VOAs	1,6	X	X	X		X	X	X	X					PID: 1.5
8	B13-2'		1424		1 sleeve	–											X		PID: 1.0, Hold
9	B13-5'		1430		1 sleeve	–											X		PID: 0.9, Hold
10	B14-0.5'	↓	1355	↓	1 sleeve, 5 VOAs	1,6	X	X	X		X	X	X	X					PID: 0.7

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Dennis Fee	Ninyo & Moore	7/18/19 1828
1 Received By:		ZAND P.	EA/GL	7/18/19 1828
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 5 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:
(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Name:	RCTC Riverside Downtown Metrolink
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	
Address:	475 Goddard, Suite 200	Address:	Riverside Downtown Metrolink Station
	Irvine, CA 92618		Riverside , California
Phone:	(949) 753-7070	Global ID:	
Fax:	(949) 753-7071	Sampled By:	Audrey Carroll & Dennis Fee

Test Instructions/Comments: cc: Dennis Fee, dfee@ninyoandmoore.com, Audrey Carroll, acarroll@ninyoandmoore.com, Jay Roberts, jroberts@ninyoandmoore.com

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	(TPHg) EPA Method 8015B/5035	(TPHcc) EPA Method 8015B	(VOCs) EPA Method 8260B/5035	(SVOCs) EPA Method 8270	(PAHs) EPA Method 8270 SIM	(PCBs) EPA Method 8082/3540C	(OCPs) EPA Method 8081A	(Title 22 Metals) EPA Method 6010B/7471A	(PCBs) EPA Method 8082	(VOCs) EPA Method 8260B	Hold		Test Instructions/Comments
1	B14-1'	7/18/19	1358	Soil	1 sleeve, 5 VOAs	1,6	X	X	X		X	X	X	X					PID: 0.6
2	B14-2'		1400		1 sleeve	—											X		PID: 0.6, Hold
3	B14-5'		1405		1 sleeve	—											X		PID: 0.6, Hold
4	B15-0.5'		1530		8-oz jar	—						X		X					PID: 0.6
5	B15-1'		1532		8-oz jar 5 VOAs	1,6	X	X	X		X	X	X	X					PID: 1.0
6	B15-2'		1534		8-oz jar 5 VOAs	1,6	X	X	X		X		X						PID: 0.9
7	B15-5'		1538		8-oz jar	—													PID: 0.7, Hold
8	DUP-1		—		18-oz jar 5 VOAs	1,6	X	X	X		X	X		X					PID:
9	DUP-2		—		18-oz jar	—						X							PID:
10	DUP-3		—		1 sleeve, 5 VOAs	1,6	X	X	X		X	X	X	X					PID:

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Dennis Fee	Ninyo & Moore	7/18/19 1828
1 Received By:		ZAM P	EAL	7/18/19 1828
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave, Orange, CA 92868 Phone: (714) 771-6900 Fax: (714)771-9933	Lab No: Page: 5 of 6	Standard: X 4 Day: 3 Day: 2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

ENTHALPY ANALYTICAL

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Name:	RCTC Riverside Downtown Metrolink
Report To:	Patrick Cullity	Number:	209691009
Email:	pcullity@ninyoandmoore.com	P.O. #:	
Address:	475 Goddard, St. 200	Address:	Riverside Downtown Metro
	Irvine, CA 92618		Riverside, CA
Phone:	(949) 753-7070	Global ID:	
Fax:	(949) 753-7071	Sampled By:	AUC & DWF

Test Instructions / Comments: cc. Dennis Fee, Audrey Carroll, Jay Roberts

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs EPA 8260B	TPHg EPA 8015B	TPHcc EPA 8015B	PAHs EPA 8270SIM	OCPs EPA 8081A	PCBs EPA 8082	T.22 Metals EPA 6020B/7470A			
1	EB-02	7/18/19	–	WATER	Various	2,3	X	X	X	X	X	X	X			
2	TB-02	7/18/19	–	WATER	2 VOAs	HCl	X									
3																
4																
5																
6																
7																
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Dennis Fee	Ninyo & Moore	7/18/19 1828
1 Received By:	[signature]	Zan P.	EA/SL	7/18/19 1828
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Ninyo & Moore Project: RCTC Riverside Metrolink Station

Date Received: 7/18/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.3 #2: 2.1 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.1 #2: 1.2 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7/18/19

Ranjit Clarke

From: Jay Roberts
Sent: Tuesday, July 30, 2019 11:39 AM
To: Ranjit Clarke
Cc: Patrick J. Cullip; Dennis Fee; Audrey Carroll
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

Yes, typo B2-0.5'
Please include TPHg of B1-10'

John Jay Roberts, PG, CEG
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618
(949) 753-7070 (x12210)
(949) 753-7071 (Fax)
jroberts@ninyoandmoore.com

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From: Ranjit Clarke [mailto:ranjit.clarke@enthalpy.com]
Sent: Tuesday, July 30, 2019 11:30 AM
To: Jay Roberts <jroberts@ninyoandmoore.com>
Cc: Patrick J. Cullip <pcullip@ninyoandmoore.com>; Dennis Fee <dfee@ninyoandmoore.com>; Audrey Carroll <acarroll@ninyoandmoore.com>
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

Jay,

Two things:

1. There is no B2-0.2'. I assume you meant B2-0.5'. Please confirm.
2. For B1-10' you only requested the TPHcc only instead of also requesting TPHg (like you did for the other samples that require TPH analysis). Was this an oversight, or is the TPHg range not required for this sample?

Let me know and I will have the lab start on these.

Thanks,

Ranjit

Ranjit Clarke
Senior Project Manager
ENTHALPY ANALYTICAL

931 W. Barkley Ave., Orange, CA 92868
O: 714.771.6900 X 9906 | M: 657-274-9864 | F: 714-538-1209
Ranjit.Clarke@enthalpy.com

From: Jay Roberts <jroberts@ninyoandmoore.com>
Sent: Tuesday, July 30, 2019 10:59 AM
To: Ranjit Clarke <ranjit.clarke@enthalpy.com>
Cc: Patrick J. Cullip <pcullip@ninyoandmoore.com>; Dennis Fee <dfee@ninyoandmoore.com>; Audrey Carroll <acarroll@ninyoandmoore.com>
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

Ranjit –

Please analyze (96-hour TAT):
B1-10' for TPHcc, PAHs SIM
B2-0.2' TCLP/WET for lead
B3-0.5' TCLP/WET for lead
B3-15' TPHg/TPHcc, PAHs SIM, VOCs
B4A-15' TPHg/TPHcc, PAHs SIM, VOCs
B13-0.5' WET for arsenic
B13-1' WET for arsenic
B14-0.5' WET for arsenic

Thank you,

John Jay Roberts, PG, CEG
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618
(949) 753-7070 (x12210)
(949) 753-7071 (Fax)
jroberts@ninyoandmoore.com

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From: Ranjit Clarke [mailto:ranjit.clarke@enthalpy.com]
Sent: Monday, July 29, 2019 4:54 PM
To: Patrick J. Cullip <pcullip@ninyoandmoore.com>; Dennis Fee <dfee@ninyoandmoore.com>; Audrey Carroll <acarroll@ninyoandmoore.com>; Jay Roberts <jroberts@ninyoandmoore.com>
Subject: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

Hi Patrick Cullip,

Attached is your final report #417431. Partial Report - All results reported herein are final. The final report will be generated once the EPA 8082 (Soxhlet Extraction) results are available. The sub lab indicated that the PCBs should be ready by Friday, but possibly sooner than that.

Thank you.

Ranjit Clarke

From: Jay Roberts
Sent: Tuesday, July 30, 2019 1:21 PM
To: Ranjit Clarke
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

Yes. Thank you.

John Jay Roberts, PG, CEG
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618
(949) 753-7070 (x12210)
(949) 753-7071 (Fax)
jroberts@ninyoandmoore.com

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From: Ranjit Clarke [mailto:ranjit.clarke@enthalpy.com]
Sent: Tuesday, July 30, 2019 1:17 PM
To: Jay Roberts <jroberts@ninyoandmoore.com>
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

VOCs for B1-10' as well? I ask because all of the other samples that have the TPH's also request VOCs.

Ranjit Clarke
Senior Project Manager
ENTHALPY ANALYTICAL
931 W. Barkley Ave., Orange, CA 92868
O: 714.771.6900 X 9906 | M: 657-274-9864 | F: 714-538-1209
Ranjit.Clarke@enthalpy.com

From: Jay Roberts <jroberts@ninyoandmoore.com>
Sent: Tuesday, July 30, 2019 11:39 AM
To: Ranjit Clarke <ranjit.clarke@enthalpy.com>
Cc: Patrick J. Cullip <pcullip@ninyoandmoore.com>; Dennis Fee <dfee@ninyoandmoore.com>; Audrey Carroll <acarroll@ninyoandmoore.com>
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Partial Report

Yes, typo B2-0.5'
Please include TPHg of B1-10'

Ranjit Clarke

From: Jay Roberts
Sent: Tuesday, August 06, 2019 10:53 AM
To: Ranjit Clarke
Cc: Patrick J. Cullip; Dennis Fee; Audrey Carroll
Subject: RE: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Final Report

Ranjit –

Will you look at the chromatograms for B2-25' and estimate the relative percentages of TPHd and TPHo as aromatics vs. aliphatics?

Please analyze B3-5' for WET for lead. Normal TAT.

Please analyze B4A-10' for PAHs. Normal TAT.

John Jay Roberts, PG, CEG
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618
(949) 753-7070 (x12210)
(949) 753-7071 (Fax)
jroberts@ninyoandmoore.com

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From: Ranjit Clarke [mailto:ranjit.clarke@enthalpy.com]
Sent: Monday, August 5, 2019 11:12 PM
To: Patrick J. Cullip <pcullip@ninyoandmoore.com>; Dennis Fee <dfee@ninyoandmoore.com>; Audrey Carroll <acarroll@ninyoandmoore.com>; Jay Roberts <jroberts@ninyoandmoore.com>
Subject: RCTC Riverside Downtown Metrolink (07/18/19) - Enthalpy Analytical Final Report #417431 - Final Report

Hi Patrick Cullip,

Attached is your final report #417431. Final Report - This report includes the results from the change order dated 07/30/19.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Ranjit Clarke

From: Jay Roberts
Sent: Thursday, August 29, 2019 4:31 PM
To: Ranjit Clarke (Ranjit.Clarke@enthalpy.com)
Subject: FW: RCTC
Attachments: 417431-00103415-SIGNED.pdf

Ranjit –

Please analyze B13-2' and B14-2' for arsenic. 48 –hour TAT.

John Jay Roberts, PG, CEG
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618
(949) 753-7070 (x12210)
(949) 753-7071 (Fax)
jroberts@ninyoandmoore.com

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From: Adrian Olivares
Sent: Thursday, August 29, 2019 3:51 PM
To: Jay Roberts <jroberts@ninyoandmoore.com>
Cc: Audrey Carroll <acarroll@ninyoandmoore.com>; Patrick J. Cullip <pcullip@ninyoandmoore.com>
Subject: RE: RCTC

I QC'd the tables.

Per Audrey, DUP3 was for B5-10'. The B5-10' sample was placed on hold and not analyzed.

In the WP, we said we would run two shallowest samples for metals. Attached is the corresponding lab report.

Adrian Olivares
Senior Environmental Scientist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
5710 Ruffin Road | San Diego, CA 92123
(858) 576-1000 (**x11257**) | (858) 254-5611 (Cell)
www.ninyoandmoore.com

30 Years of Quality Service

Patty Mata

From: Jay Roberts
Sent: Friday, September 13, 2019 1:39 PM
To: Patty Mata
Cc: Patrick J. Cullip
Subject: RE: RCTC Riverside Metrolink Station - Enthalpy Analytical Final Report #418981

Correct, for your lab report 417431.

John Jay Roberts, PG, CEG
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618
(949) 753-7070 (x12210)
(949) 753-7071 (Fax)
jroberts@ninyoandmoore.com

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Please visit Ninyo & Moore at BOOTH 708
National 2019 Brownfields Conference
December 11-13, 2019
Los Angeles, CA

From: Patty Mata [mailto:patty.mata@enthalpy.com]
Sent: Friday, September 13, 2019 1:36 PM
To: Jay Roberts <jroberts@ninyoandmoore.com>
Cc: Patrick J. Cullip <pcullip@ninyoandmoore.com>
Subject: RE: RCTC Riverside Metrolink Station - Enthalpy Analytical Final Report #418981

Jay,

Wait, we spoke about sample WCI in our report number 418981 originally, correct? We had already tested for total Lead and the result was 48.7 mg/Kg. Do you need any further testing done for this sample? The 50 mg/kg trigger limit for STLC was not met, but we can still run for STLC if you need it.

Sample B3-10' was collected on 7/18/19 so we may not have it still. I will check right now and get back to you.

With Regards,

Patty Mata
Project Manager
Direct (714) 771-9930

From: Jay Roberts <jroberts@ninyoandmoore.com>
Sent: Friday, September 13, 2019 1:20 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Patrick J. Cullip <pcullip@ninyoandmoore.com>
Subject: RE: RCTC Riverside Metrolink Station - Enthalpy Analytical Final Report #418981

Patty –

While you're at it please analyze B3-10' for lead, on a rush basis. If result is greater than 50 mg/kg, please also run WET. If result is 100 mg/kg or greater, please also analyze for TCLP.

Thank you,

John Jay Roberts, PG, CEG
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Geotechnical & Environmental Sciences Consultants
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Los Angeles, CA

From: Patty Mata [mailto:patty.mata@enthalpy.com]
Sent: Thursday, September 12, 2019 4:30 PM
To: Jay Roberts <jroberts@ninyoandmoore.com>
Cc: Patrick J. Cullip <pcullip@ninyoandmoore.com>
Subject: RE: RCTC Riverside Metrolink Station - Enthalpy Analytical Final Report #418981

Hello,
Ranjit is checking in from time to time from home and it looks like he already added the TCLP and STLC tests you needed for our lab report 417431 for 7/18/19 sample set. He set the results due on 9/17/19 (3 day TAT).

With Regards,

Patty Mata

H&P Mobile Geochemistry Inc.

02 August 2019

Mr. Patrick Cullip
Ninyo & Moore - Irvine
475 Goddard, Suite 200
Irvine, CA 92618

H&P Project: NM072219-ML
Client Project: 209691009 / 3084 10th St

Dear Mr. Patrick Cullip:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 7/22/2019 -7/23/2019 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

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Ninyo & Moore - Irvine 475 Goddard, Suite 200 Irvine, CA 92618	Project: NM072219-ML Project Number: 209691009 / 3084 10th St Project Manager: Mr. Patrick Cullip	Reported: 02-Aug-19 09:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Ambient Air	E907093-01	Vapor	22-Jul-19	22-Jul-19
B6-5	E907093-02	Vapor	22-Jul-19	22-Jul-19
B6-15	E907093-03	Vapor	22-Jul-19	22-Jul-19
B7-5	E907093-04	Vapor	22-Jul-19	22-Jul-19
B7-15	E907093-05	Vapor	22-Jul-19	22-Jul-19
B8-5	E907093-06	Vapor	22-Jul-19	22-Jul-19
B8-15	E907093-07	Vapor	22-Jul-19	22-Jul-19
B18-5	E907093-08	Vapor	22-Jul-19	22-Jul-19
B18-15	E907093-09	Vapor	22-Jul-19	22-Jul-19
B18-5 Rep	E907093-10	Vapor	22-Jul-19	22-Jul-19
B16-5	E907093-11	Vapor	22-Jul-19	22-Jul-19
B16-15	E907093-12	Vapor	22-Jul-19	22-Jul-19
Ambient Air	E907097-01	Vapor	23-Jul-19	23-Jul-19
B17-15	E907097-02	Vapor	23-Jul-19	23-Jul-19
B17-5	E907097-03	Vapor	23-Jul-19	23-Jul-19
B19-5	E907097-04	Vapor	23-Jul-19	23-Jul-19
B13-5	E907097-05	Vapor	23-Jul-19	23-Jul-19
B14-5	E907097-06	Vapor	23-Jul-19	23-Jul-19
B15-5	E907097-07	Vapor	23-Jul-19	23-Jul-19
B11-15	E907097-08	Vapor	23-Jul-19	23-Jul-19
B11-15 REP	E907097-09	Vapor	23-Jul-19	23-Jul-19
Abient Air 072319	E907098-01	Vapor	23-Jul-19	23-Jul-19
B1-5	E907098-02	Vapor	23-Jul-19	23-Jul-19
B1-15	E907098-03	Vapor	23-Jul-19	23-Jul-19
B3-5	E907098-04	Vapor	23-Jul-19	23-Jul-19
B3-15	E907098-05	Vapor	23-Jul-19	23-Jul-19
B4-5	E907098-06	Vapor	23-Jul-19	23-Jul-19
B4-15	E907098-07	Vapor	23-Jul-19	23-Jul-19

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Ninyo & Moore - Irvine	Project: NM072219-ML	
475 Goddard, Suite 200	Project Number: 209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager: Mr. Patrick Cullip	02-Aug-19 09:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B4-5 rep	E907098-08	Vapor	23-Jul-19	23-Jul-19
B5-5	E907098-09	Vapor	23-Jul-19	23-Jul-19
B5-15	E907098-10	Vapor	23-Jul-19	23-Jul-19
B2-15	E907098-11	Vapor	23-Jul-19	23-Jul-19
B2-5	E907098-12	Vapor	23-Jul-19	23-Jul-19
B9-5	E907098-13	Vapor	23-Jul-19	23-Jul-19
B9-15	E907098-14	Vapor	23-Jul-19	23-Jul-19
B10-5	E907098-15	Vapor	23-Jul-19	23-Jul-19
B10-15	E907098-16	Vapor	23-Jul-19	23-Jul-19
B11-5	E907098-17	Vapor	23-Jul-19	23-Jul-19

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DETECTIONS SUMMARY

Sample ID: **Ambient Air** Laboratory ID: **E907093-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B6-5** Laboratory ID: **E907093-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**20**	20	ug/m3	H&P 8260SV	

Sample ID: **B6-15** Laboratory ID: **E907093-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B7-5** Laboratory ID: **E907093-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,3,5-Trimethylbenzene	**220**	100	ug/m3	H&P 8260SV	
1,2,4-Trimethylbenzene	**380**	100	ug/m3	H&P 8260SV	

Sample ID: **B7-15** Laboratory ID: **E907093-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B8-5** Laboratory ID: **E907093-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**40**	20	ug/m3	H&P 8260SV	

Sample ID: **B8-15** Laboratory ID: **E907093-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**40**	20	ug/m3	H&P 8260SV	

Sample ID: **B18-5** Laboratory ID: **E907093-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Sample ID: **B18-15** Laboratory ID: **E907093-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B18-5 Rep** Laboratory ID: **E907093-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B16-5** Laboratory ID: **E907093-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B16-15** Laboratory ID: **E907093-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **Ambient Air** Laboratory ID: **E907097-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B17-15** Laboratory ID: **E907097-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B17-5** Laboratory ID: **E907097-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **B19-5** Laboratory ID: **E907097-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Sample ID: **B13-5** Laboratory ID: **E907097-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**20**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**40**	20	ug/m3	H&P 8260SV	

Sample ID: **B14-5** Laboratory ID: **E907097-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**30**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**40**	20	ug/m3	H&P 8260SV	

Sample ID: **B15-5** Laboratory ID: **E907097-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**30**	20	ug/m3	H&P 8260SV	
Trichloroethene	**70**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**150**	20	ug/m3	H&P 8260SV	

Sample ID: **B11-15** Laboratory ID: **E907097-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**130**	100	ug/m3	H&P 8260SV	
Chloroform	**80**	20	ug/m3	H&P 8260SV	
Trichloroethene	**100**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**390**	20	ug/m3	H&P 8260SV	

Sample ID: **B11-15 REP** Laboratory ID: **E907097-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**130**	100	ug/m3	H&P 8260SV	
1,1,2 Trichlorotrifluoroethane (F113)	**110**	100	ug/m3	H&P 8260SV	
Chloroform	**50**	20	ug/m3	H&P 8260SV	
Trichloroethene	**90**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**350**	20	ug/m3	H&P 8260SV	

Sample ID: **Abient Air 072319** Laboratory ID: **E907098-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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Sample ID: **B1-5** Laboratory ID: **E907098-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**40**	20	ug/m3	H&P 8260SV	

Sample ID: **B1-15** Laboratory ID: **E907098-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**120**	20	ug/m3	H&P 8260SV	

Sample ID: **B3-5** Laboratory ID: **E907098-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**420**	20	ug/m3	H&P 8260SV	

Sample ID: **B3-15** Laboratory ID: **E907098-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**1000**	20	ug/m3	H&P 8260SV	

Sample ID: **B4-5** Laboratory ID: **E907098-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**720**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**4000**	20	ug/m3	H&P 8260SV	

Sample ID: **B4-15** Laboratory ID: **E907098-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**30**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**1700**	20	ug/m3	H&P 8260SV	

Sample ID: **B4-5 rep** Laboratory ID: **E907098-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**760**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**4000**	20	ug/m3	H&P 8260SV	

Sample ID: **B5-5** Laboratory ID: **E907098-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**90**	20	ug/m3	H&P 8260SV	

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Sample ID: **B5-5** Laboratory ID: **E907098-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**230**	20	ug/m3	H&P 8260SV	

Sample ID: **B5-15** Laboratory ID: **E907098-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**50**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**210**	20	ug/m3	H&P 8260SV	

Sample ID: **B2-15** Laboratory ID: **E907098-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**40**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**1100**	20	ug/m3	H&P 8260SV	

Sample ID: **B2-5** Laboratory ID: **E907098-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1-Difluoroethane (LCC)	**580**	100	ug/m3	H&P 8260SV	
Benzene	**30**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**20**	20	ug/m3	H&P 8260SV	
Naphthalene	**30**	20	ug/m3	H&P 8260SV	

Sample ID: **B9-5** Laboratory ID: **E907098-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**20**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**110**	20	ug/m3	H&P 8260SV	

Sample ID: **B9-15** Laboratory ID: **E907098-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	**30**	20	ug/m3	H&P 8260SV	
Trichloroethene	**20**	20	ug/m3	H&P 8260SV	
Tetrachloroethene	**170**	20	ug/m3	H&P 8260SV	

Sample ID: **B10-5** Laboratory ID: **E907098-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**80**	20	ug/m3	H&P 8260SV	

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Sample ID: **B10-15** Laboratory ID: **E907098-16**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**230**	80	ug/m3	H&P 8260SV	

Sample ID: **B11-5** Laboratory ID: **E907098-17**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**330**	80	ug/m3	H&P 8260SV	

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Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Ambient Air (E907093-01) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Ambient Air (E907093-01) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.7 %*	*75-125*		"	"	"	"	

H&P Mobile
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-5 (E907093-02) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**20**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-5 (E907093-02) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-15 (E907093-03) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B6-15 (E907093-03) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*101 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*93.4 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-5 (E907093-04) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-5 (E907093-04) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**220**	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**380**	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-15 (E907093-05) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

H&P Mobile
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B7-15 (E907093-05) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-5 (E907093-06) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**40**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-5 (E907093-06) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.7 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-15 (E907093-07) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**40**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B8-15 (E907093-07) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-5 (E907093-08) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									**R-05**
1,1-Difluoroethane (LCC)	ND	4000	ug/m3	0.4	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	4000	"	"	"	"	"	"	
Chloromethane	ND	4000	"	"	"	"	"	"	
Vinyl chloride	ND	400	"	"	"	"	"	"	
Bromomethane	ND	4000	"	"	"	"	"	"	
Chloroethane	ND	4000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	4000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	4000	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	4000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
Chloroform	ND	800	"	"	"	"	"	"	
Bromochloromethane	ND	4000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4000	"	"	"	"	"	"	
Carbon tetrachloride	ND	800	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	800	"	"	"	"	"	"	
Benzene	ND	800	"	"	"	"	"	"	
Trichloroethene	ND	800	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4000	"	"	"	"	"	"	
Bromodichloromethane	ND	4000	"	"	"	"	"	"	
Dibromomethane	ND	4000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4000	"	"	"	"	"	"	
Toluene	ND	8000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4000	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4000	"	"	"	"	"	"	
Tetrachloroethene	ND	800	"	"	"	"	"	"	
Dibromochloromethane	ND	4000	"	"	"	"	"	"	
Chlorobenzene	ND	800	"	"	"	"	"	"	
Ethylbenzene	ND	4000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4000	"	"	"	"	"	"	
m,p-Xylene	ND	4000	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-5 (E907093-08) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									**R-05**
o-Xylene	ND	4000	ug/m3	0.4	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	4000	"	"	"	"	"	"	
Bromoform	ND	4000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	4000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4000	"	"	"	"	"	"	
n-Propylbenzene	ND	4000	"	"	"	"	"	"	
Bromobenzene	ND	4000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4000	"	"	"	"	"	"	
2-Chlorotoluene	ND	4000	"	"	"	"	"	"	
4-Chlorotoluene	ND	4000	"	"	"	"	"	"	
tert-Butylbenzene	ND	4000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4000	"	"	"	"	"	"	
sec-Butylbenzene	ND	4000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4000	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4000	"	"	"	"	"	"	
n-Butylbenzene	ND	4000	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	40000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4000	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4000	"	"	"	"	"	"	
Naphthalene	ND	800	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4000	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*98.1 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*85.5 %*	*75-125*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-15 (E907093-09) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	500	ug/m3	0.05	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	500	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
Vinyl chloride	ND	50	"	"	"	"	"	"	
Bromomethane	ND	500	"	"	"	"	"	"	
Chloroethane	ND	500	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	500	"	"	"	"	"	"	
1,1-Dichloroethene	ND	500	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	500	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	500	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	500	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	500	"	"	"	"	"	"	
2,2-Dichloropropane	ND	500	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	500	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Bromochloromethane	ND	500	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	500	"	"	"	"	"	"	
1,1-Dichloropropene	ND	500	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	100	"	"	"	"	"	"	
Benzene	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	500	"	"	"	"	"	"	
Bromodichloromethane	ND	500	"	"	"	"	"	"	
Dibromomethane	ND	500	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	500	"	"	"	"	"	"	
Toluene	ND	1000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	500	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	500	"	"	"	"	"	"	
1,3-Dichloropropane	ND	500	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Dibromochloromethane	ND	500	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	500	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	500	"	"	"	"	"	"	
m,p-Xylene	ND	500	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-15 (E907093-09) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	500	ug/m3	0.05	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	500	"	"	"	"	"	"	
Bromoform	ND	500	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	500	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	500	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	500	"	"	"	"	"	"	
n-Propylbenzene	ND	500	"	"	"	"	"	"	
Bromobenzene	ND	500	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	500	"	"	"	"	"	"	
4-Chlorotoluene	ND	500	"	"	"	"	"	"	
tert-Butylbenzene	ND	500	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	500	"	"	"	"	"	"	
p-Isopropyltoluene	ND	500	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	500	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	500	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	500	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	500	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	500	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-5 Rep (E907093-10) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									**R-05**
1,1-Difluoroethane (LCC)	ND	4000	ug/m3	0.4	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	4000	"	"	"	"	"	"	
Chloromethane	ND	4000	"	"	"	"	"	"	
Vinyl chloride	ND	400	"	"	"	"	"	"	
Bromomethane	ND	4000	"	"	"	"	"	"	
Chloroethane	ND	4000	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	4000	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	4000	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	4000	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4000	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4000	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4000	"	"	"	"	"	"	
Chloroform	ND	800	"	"	"	"	"	"	
Bromochloromethane	ND	4000	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4000	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4000	"	"	"	"	"	"	
Carbon tetrachloride	ND	800	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	800	"	"	"	"	"	"	
Benzene	ND	800	"	"	"	"	"	"	
Trichloroethene	ND	800	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4000	"	"	"	"	"	"	
Bromodichloromethane	ND	4000	"	"	"	"	"	"	
Dibromomethane	ND	4000	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4000	"	"	"	"	"	"	
Toluene	ND	8000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4000	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4000	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4000	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4000	"	"	"	"	"	"	
Tetrachloroethene	ND	800	"	"	"	"	"	"	
Dibromochloromethane	ND	4000	"	"	"	"	"	"	
Chlorobenzene	ND	800	"	"	"	"	"	"	
Ethylbenzene	ND	4000	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4000	"	"	"	"	"	"	
m,p-Xylene	ND	4000	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B18-5 Rep (E907093-10) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									**R-05**
o-Xylene	ND	4000	ug/m3	0.4	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	4000	"	"	"	"	"	"	
Bromoform	ND	4000	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	4000	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4000	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4000	"	"	"	"	"	"	
n-Propylbenzene	ND	4000	"	"	"	"	"	"	
Bromobenzene	ND	4000	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4000	"	"	"	"	"	"	
2-Chlorotoluene	ND	4000	"	"	"	"	"	"	
4-Chlorotoluene	ND	4000	"	"	"	"	"	"	
tert-Butylbenzene	ND	4000	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4000	"	"	"	"	"	"	
sec-Butylbenzene	ND	4000	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4000	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4000	"	"	"	"	"	"	
n-Butylbenzene	ND	4000	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4000	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	40000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4000	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4000	"	"	"	"	"	"	
Naphthalene	ND	800	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4000	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*100 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*88.6 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-5 (E907093-11) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	500	ug/m3	0.05	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	500	"	"	"	"	"	"	
Chloromethane	ND	500	"	"	"	"	"	"	
Vinyl chloride	ND	50	"	"	"	"	"	"	
Bromomethane	ND	500	"	"	"	"	"	"	
Chloroethane	ND	500	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	500	"	"	"	"	"	"	
1,1-Dichloroethene	ND	500	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	500	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	500	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	500	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	500	"	"	"	"	"	"	
1,1-Dichloroethane	ND	500	"	"	"	"	"	"	
2,2-Dichloropropane	ND	500	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	500	"	"	"	"	"	"	
Chloroform	ND	100	"	"	"	"	"	"	
Bromochloromethane	ND	500	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	500	"	"	"	"	"	"	
1,1-Dichloropropene	ND	500	"	"	"	"	"	"	
Carbon tetrachloride	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	100	"	"	"	"	"	"	
Benzene	ND	100	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
1,2-Dichloropropane	ND	500	"	"	"	"	"	"	
Bromodichloromethane	ND	500	"	"	"	"	"	"	
Dibromomethane	ND	500	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	500	"	"	"	"	"	"	
Toluene	ND	1000	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	500	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	500	"	"	"	"	"	"	
1,3-Dichloropropane	ND	500	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Dibromochloromethane	ND	500	"	"	"	"	"	"	
Chlorobenzene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	500	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	500	"	"	"	"	"	"	
m,p-Xylene	ND	500	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-5 (E907093-11) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	500	ug/m3	0.05	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	500	"	"	"	"	"	"	
Bromoform	ND	500	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	500	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	500	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	500	"	"	"	"	"	"	
n-Propylbenzene	ND	500	"	"	"	"	"	"	
Bromobenzene	ND	500	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	500	"	"	"	"	"	"	
2-Chlorotoluene	ND	500	"	"	"	"	"	"	
4-Chlorotoluene	ND	500	"	"	"	"	"	"	
tert-Butylbenzene	ND	500	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	500	"	"	"	"	"	"	
sec-Butylbenzene	ND	500	"	"	"	"	"	"	
p-Isopropyltoluene	ND	500	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	500	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	500	"	"	"	"	"	"	
n-Butylbenzene	ND	500	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	500	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	500	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	500	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.7 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.4 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-15 (E907093-12) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B16-15 (E907093-12) Vapor Sampled: 22-Jul-19 Received: 22-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92209	22-Jul-19	22-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.9 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Ambient Air (E907097-01) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Ambient Air (E907097-01) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*92.0 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B17-15 (E907097-02) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	400	ug/m3	0.04	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	400	"	"	"	"	"	"	
Chloromethane	ND	400	"	"	"	"	"	"	
Vinyl chloride	ND	40	"	"	"	"	"	"	
Bromomethane	ND	400	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	400	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	400	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	400	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	400	"	"	"	"	"	"	
2,2-Dichloropropane	ND	400	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
Chloroform	ND	80	"	"	"	"	"	"	
Bromochloromethane	ND	400	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	400	"	"	"	"	"	"	
1,1-Dichloropropene	ND	400	"	"	"	"	"	"	
Carbon tetrachloride	ND	80	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	80	"	"	"	"	"	"	
Benzene	ND	80	"	"	"	"	"	"	
Trichloroethene	ND	80	"	"	"	"	"	"	
1,2-Dichloropropane	ND	400	"	"	"	"	"	"	
Bromodichloromethane	ND	400	"	"	"	"	"	"	
Dibromomethane	ND	400	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
Toluene	ND	800	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	400	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	400	"	"	"	"	"	"	
1,3-Dichloropropane	ND	400	"	"	"	"	"	"	
Tetrachloroethene	ND	80	"	"	"	"	"	"	
Dibromochloromethane	ND	400	"	"	"	"	"	"	
Chlorobenzene	ND	80	"	"	"	"	"	"	
Ethylbenzene	ND	400	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
m,p-Xylene	ND	400	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B17-15 (E907097-02) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	400	ug/m3	0.04	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	400	"	"	"	"	"	"	
Bromoform	ND	400	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	400	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	400	"	"	"	"	"	"	
n-Propylbenzene	ND	400	"	"	"	"	"	"	
Bromobenzene	ND	400	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	400	"	"	"	"	"	"	
2-Chlorotoluene	ND	400	"	"	"	"	"	"	
4-Chlorotoluene	ND	400	"	"	"	"	"	"	
tert-Butylbenzene	ND	400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	400	"	"	"	"	"	"	
sec-Butylbenzene	ND	400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	400	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	400	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	400	"	"	"	"	"	"	
n-Butylbenzene	ND	400	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	400	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	400	"	"	"	"	"	"	
Hexachlorobutadiene	ND	400	"	"	"	"	"	"	
Naphthalene	ND	80	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	400	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B17-5 (E907097-03) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	200	ug/m3	0.02	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	200	"	"	"	"	"	"	
Chloromethane	ND	200	"	"	"	"	"	"	
Vinyl chloride	ND	20	"	"	"	"	"	"	
Bromomethane	ND	200	"	"	"	"	"	"	
Chloroethane	ND	200	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	200	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	200	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
1,1-Dichloroethane	ND	200	"	"	"	"	"	"	
2,2-Dichloropropane	ND	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
Chloroform	ND	40	"	"	"	"	"	"	
Bromochloromethane	ND	200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	200	"	"	"	"	"	"	
1,1-Dichloropropene	ND	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	40	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	40	"	"	"	"	"	"	
Benzene	ND	40	"	"	"	"	"	"	
Trichloroethene	ND	40	"	"	"	"	"	"	
1,2-Dichloropropane	ND	200	"	"	"	"	"	"	
Bromodichloromethane	ND	200	"	"	"	"	"	"	
Dibromomethane	ND	200	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	200	"	"	"	"	"	"	
Toluene	ND	400	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	200	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	200	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	200	"	"	"	"	"	"	
1,3-Dichloropropane	ND	200	"	"	"	"	"	"	
Tetrachloroethene	ND	40	"	"	"	"	"	"	
Dibromochloromethane	ND	200	"	"	"	"	"	"	
Chlorobenzene	ND	40	"	"	"	"	"	"	
Ethylbenzene	ND	200	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	200	"	"	"	"	"	"	
m,p-Xylene	ND	200	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B17-5 (E907097-03) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	200	ug/m3	0.02	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	200	"	"	"	"	"	"	
Bromoform	ND	200	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	200	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	200	"	"	"	"	"	"	
n-Propylbenzene	ND	200	"	"	"	"	"	"	
Bromobenzene	ND	200	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	200	"	"	"	"	"	"	
2-Chlorotoluene	ND	200	"	"	"	"	"	"	
4-Chlorotoluene	ND	200	"	"	"	"	"	"	
tert-Butylbenzene	ND	200	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	200	"	"	"	"	"	"	
sec-Butylbenzene	ND	200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	200	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	200	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	200	"	"	"	"	"	"	
n-Butylbenzene	ND	200	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	200	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	200	"	"	"	"	"	"	
Hexachlorobutadiene	ND	200	"	"	"	"	"	"	
Naphthalene	ND	40	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*95.2 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B19-5 (E907097-04) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B19-5 (E907097-04) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.9 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*88.5 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B13-5 (E907097-05) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	**20**	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**40**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B13-5 (E907097-05) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*90.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B14-5 (E907097-06) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	**30**	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**40**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B14-5 (E907097-06) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B15-5 (E907097-07) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	**30**	20	"	"	"	"	"	"	
Trichloroethene	**70**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**150**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B15-5 (E907097-07) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*60.0 %*	*75-125*		*"*	*"*	*"*	*"*	*S-04*
Surrogate: Toluene-d8		*90.5 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		*"*	*"*	*"*	*"*	

H&P Mobile
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-15 (E907097-08) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	**130**	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	**80**	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**100**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**390**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-15 (E907097-08) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*79.0 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*93.1 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-15 REP (E907097-09) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	**130**	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	**110**	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	**50**	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**90**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**350**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-15 REP (E907097-09) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92307	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*78.1 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*88.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Abient Air 072319 (E907098-01) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Abient Air 072319 (E907098-01) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.9 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-5 (E907098-02) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**40**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-5 (E907098-02) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*99.7 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-15 (E907098-03) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**120**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B1-15 (E907098-03) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*98.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-5 (E907098-04) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**420**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-5 (E907098-04) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-15 (E907098-05) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**1000**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B3-15 (E907098-05) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*102 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*75-125*		*"*	*"*	*"*	*"*	

H&P Mobile
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-5 (E907098-06) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**720**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**4000**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-5 (E907098-06) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*103 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-15 (E907098-07) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**30**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**1700**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-15 (E907098-07) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-5 rep (E907098-08) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**760**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**4000**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B4-5 rep (E907098-08) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.5 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-5 (E907098-09) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**90**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**230**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-5 (E907098-09) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*106 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*93.7 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-15 (E907098-10) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**50**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**210**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B5-15 (E907098-10) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*105 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*93.3 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-15 (E907098-11) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	**40**	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**1100**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-15 (E907098-11) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*99.3 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-5 (E907098-12) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	**580**	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	**30**	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**20**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B2-5 (E907098-12) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	**30**	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-5 (E907098-13) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	**20**	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**110**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

H&P Mobile
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-5 (E907098-13) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-15 (E907098-14) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	**30**	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	**20**	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**170**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B9-15 (E907098-14) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*99.7 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.3 %*	*75-125*		"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-5 (E907098-15) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	100	"	"	"	"	"	"	
Chloromethane	ND	100	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Bromomethane	ND	100	"	"	"	"	"	"	
Chloroethane	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	100	"	"	"	"	"	"	
1,1-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	100	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	100	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	100	"	"	"	"	"	"	
2,2-Dichloropropane	ND	100	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	100	"	"	"	"	"	"	
Chloroform	ND	20	"	"	"	"	"	"	
Bromochloromethane	ND	100	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	100	"	"	"	"	"	"	
1,1-Dichloropropene	ND	100	"	"	"	"	"	"	
Carbon tetrachloride	ND	20	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	20	"	"	"	"	"	"	
Benzene	ND	20	"	"	"	"	"	"	
Trichloroethene	ND	20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Dibromomethane	ND	100	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	100	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,3-Dichloropropane	ND	100	"	"	"	"	"	"	
Tetrachloroethene	**80**	20	"	"	"	"	"	"	
Dibromochloromethane	ND	100	"	"	"	"	"	"	
Chlorobenzene	ND	20	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
m,p-Xylene	ND	100	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-5 (E907098-15) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	100	ug/m3	0.01	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	100	"	"	"	"	"	"	
Bromoform	ND	100	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	100	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	100	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	100	"	"	"	"	"	"	
n-Propylbenzene	ND	100	"	"	"	"	"	"	
Bromobenzene	ND	100	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	100	"	"	"	"	"	"	
2-Chlorotoluene	ND	100	"	"	"	"	"	"	
4-Chlorotoluene	ND	100	"	"	"	"	"	"	
tert-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	100	"	"	"	"	"	"	
sec-Butylbenzene	ND	100	"	"	"	"	"	"	
p-Isopropyltoluene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
n-Butylbenzene	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Naphthalene	ND	20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*104 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*89.1 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-15 (E907098-16) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	400	ug/m3	0.04	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	400	"	"	"	"	"	"	
Chloromethane	ND	400	"	"	"	"	"	"	
Vinyl chloride	ND	40	"	"	"	"	"	"	
Bromomethane	ND	400	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	400	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	400	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	400	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	400	"	"	"	"	"	"	
2,2-Dichloropropane	ND	400	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
Chloroform	ND	80	"	"	"	"	"	"	
Bromochloromethane	ND	400	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	400	"	"	"	"	"	"	
1,1-Dichloropropene	ND	400	"	"	"	"	"	"	
Carbon tetrachloride	ND	80	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	80	"	"	"	"	"	"	
Benzene	ND	80	"	"	"	"	"	"	
Trichloroethene	ND	80	"	"	"	"	"	"	
1,2-Dichloropropane	ND	400	"	"	"	"	"	"	
Bromodichloromethane	ND	400	"	"	"	"	"	"	
Dibromomethane	ND	400	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
Toluene	ND	800	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	400	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	400	"	"	"	"	"	"	
1,3-Dichloropropane	ND	400	"	"	"	"	"	"	
Tetrachloroethene	**230**	80	"	"	"	"	"	"	
Dibromochloromethane	ND	400	"	"	"	"	"	"	
Chlorobenzene	ND	80	"	"	"	"	"	"	
Ethylbenzene	ND	400	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
m,p-Xylene	ND	400	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B10-15 (E907098-16) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	400	ug/m3	0.04	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	400	"	"	"	"	"	"	
Bromoform	ND	400	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	400	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	400	"	"	"	"	"	"	
n-Propylbenzene	ND	400	"	"	"	"	"	"	
Bromobenzene	ND	400	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	400	"	"	"	"	"	"	
2-Chlorotoluene	ND	400	"	"	"	"	"	"	
4-Chlorotoluene	ND	400	"	"	"	"	"	"	
tert-Butylbenzene	ND	400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	400	"	"	"	"	"	"	
sec-Butylbenzene	ND	400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	400	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	400	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	400	"	"	"	"	"	"	
n-Butylbenzene	ND	400	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	400	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	400	"	"	"	"	"	"	
Hexachlorobutadiene	ND	400	"	"	"	"	"	"	
Naphthalene	ND	80	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	400	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*101 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*93.7 %*	*75-125*		*"*	*"*	*"*	*"*	

H&P Mobile
Geochemistry Inc.

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-5 (E907098-17) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
1,1-Difluoroethane (LCC)	ND	400	ug/m3	0.04	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	400	"	"	"	"	"	"	
Chloromethane	ND	400	"	"	"	"	"	"	
Vinyl chloride	ND	40	"	"	"	"	"	"	
Bromomethane	ND	400	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	400	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	400	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	400	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,1-Dichloroethane	ND	400	"	"	"	"	"	"	
2,2-Dichloropropane	ND	400	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
Chloroform	ND	80	"	"	"	"	"	"	
Bromochloromethane	ND	400	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	400	"	"	"	"	"	"	
1,1-Dichloropropene	ND	400	"	"	"	"	"	"	
Carbon tetrachloride	ND	80	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	80	"	"	"	"	"	"	
Benzene	ND	80	"	"	"	"	"	"	
Trichloroethene	ND	80	"	"	"	"	"	"	
1,2-Dichloropropane	ND	400	"	"	"	"	"	"	
Bromodichloromethane	ND	400	"	"	"	"	"	"	
Dibromomethane	ND	400	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
Toluene	ND	800	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	400	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	400	"	"	"	"	"	"	
1,3-Dichloropropane	ND	400	"	"	"	"	"	"	
Tetrachloroethene	**330**	80	"	"	"	"	"	"	
Dibromochloromethane	ND	400	"	"	"	"	"	"	
Chlorobenzene	ND	80	"	"	"	"	"	"	
Ethylbenzene	ND	400	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
m,p-Xylene	ND	400	"	"	"	"	"	"	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
B11-5 (E907098-17) Vapor Sampled: 23-Jul-19 Received: 23-Jul-19									
o-Xylene	ND	400	ug/m3	0.04	EG92308	23-Jul-19	23-Jul-19	H&P 8260SV	
Styrene	ND	400	"	"	"	"	"	"	
Bromoform	ND	400	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	400	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	400	"	"	"	"	"	"	
n-Propylbenzene	ND	400	"	"	"	"	"	"	
Bromobenzene	ND	400	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	400	"	"	"	"	"	"	
2-Chlorotoluene	ND	400	"	"	"	"	"	"	
4-Chlorotoluene	ND	400	"	"	"	"	"	"	
tert-Butylbenzene	ND	400	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	400	"	"	"	"	"	"	
sec-Butylbenzene	ND	400	"	"	"	"	"	"	
p-Isopropyltoluene	ND	400	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	400	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	400	"	"	"	"	"	"	
n-Butylbenzene	ND	400	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	400	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4000	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	400	"	"	"	"	"	"	
Hexachlorobutadiene	ND	400	"	"	"	"	"	"	
Naphthalene	ND	80	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	400	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*106 %*	*75-125*		*"*	*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*75-125*		*"*	*"*	*"*	*"*	

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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92209 - EPA 5030										
Blank (EG92209-BLK1)				Prepared & Analyzed: 22-Jul-19						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92209 - EPA 5030										
Blank (EG92209-BLK1)				Prepared & Analyzed: 22-Jul-19						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*532*		*"*	*500*		*106*	*75-125*			
Surrogate: Toluene-d8	*508*		*"*	*500*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*485*		*"*	*500*		*97.0*	*75-125*			

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Irvine, CA 92618	Project Manager: Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92209 - EPA 5030										
LCS (EG92209-BS1)				Prepared & Analyzed: 22-Jul-19						
Dichlorodifluoromethane (F12)	3700	500	ug/m3	5000		74.1	70-130			
Vinyl chloride	5700	50	"	5000		114	70-130			
Chloroethane	6000	500	"	5000		120	70-130			
Trichlorofluoromethane (F11)	4700	500	"	5000		94.6	70-130			
1,1-Dichloroethene	5100	500	"	5000		103	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5200	500	"	5000		105	70-130			
Methylene chloride (Dichloromethane)	5300	500	"	5000		107	70-130			
trans-1,2-Dichloroethene	5100	500	"	5000		102	70-130			
1,1-Dichloroethane	4700	500	"	5000		93.9	70-130			
cis-1,2-Dichloroethene	5100	500	"	5000		102	70-130			
Chloroform	4600	100	"	5000		92.7	70-130			
1,1,1-Trichloroethane	4500	500	"	5000		90.4	70-130			
Carbon tetrachloride	4500	100	"	5000		90.1	70-130			
1,2-Dichloroethane (EDC)	4100	100	"	5000		82.7	70-130			
Benzene	4900	100	"	5000		97.0	70-130			
Trichloroethene	5400	100	"	5000		107	70-130			
Toluene	4800	1000	"	5000		95.7	70-130			
1,1,2-Trichloroethane	4800	500	"	5000		95.0	70-130			
Tetrachloroethene	4900	100	"	5000		98.0	70-130			
Ethylbenzene	5200	500	"	5000		105	70-130			
1,1,1,2-Tetrachloroethane	5200	500	"	5000		104	70-130			
m,p-Xylene	10000	500	"	10000		102	70-130			
o-Xylene	5000	500	"	5000		99.0	70-130			
1,1,2,2-Tetrachloroethane	5000	500	"	5000		101	70-130			
Surrogate: Dibromofluoromethane	*2250*		*"*	*2500*		*90.1*	*75-125*			
Surrogate: Toluene-d8	*2460*		*"*	*2500*		*98.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2620*		*"*	*2500*		*105*	*75-125*			

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Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92307 - EPA 5030										
Blank (EG92307-BLK1)				Prepared & Analyzed: 23-Jul-19						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92307 - EPA 5030										
Blank (EG92307-BLK1)				Prepared & Analyzed: 23-Jul-19						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*509*		*"*	*500*		*102*	*75-125*			
Surrogate: Toluene-d8	*442*		*"*	*500*		*88.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*488*		*"*	*500*		*97.6*	*75-125*			

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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92307 - EPA 5030										
LCS (EG92307-BS1)				Prepared & Analyzed: 23-Jul-19						
Dichlorodifluoromethane (F12)	4000	500	ug/m3	5000		80.9	70-130			
Vinyl chloride	4800	50	"	5000		96.4	70-130			
Chloroethane	4900	500	"	5000		98.2	70-130			
Trichlorofluoromethane (F11)	5600	500	"	5000		111	70-130			
1,1-Dichloroethene	4600	500	"	5000		93.0	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	4900	500	"	5000		97.7	70-130			
Methylene chloride (Dichloromethane)	5000	500	"	5000		99.6	70-130			
trans-1,2-Dichloroethene	5000	500	"	5000		99.2	70-130			
1,1-Dichloroethane	5000	500	"	5000		100	70-130			
cis-1,2-Dichloroethene	5600	500	"	5000		111	70-130			
Chloroform	5200	100	"	5000		104	70-130			
1,1,1-Trichloroethane	5000	500	"	5000		99.1	70-130			
Carbon tetrachloride	5000	100	"	5000		99.0	70-130			
1,2-Dichloroethane (EDC)	5700	100	"	5000		114	70-130			
Benzene	4900	100	"	5000		97.8	70-130			
Trichloroethene	5400	100	"	5000		108	70-130			
Toluene	4900	1000	"	5000		97.9	70-130			
1,1,2-Trichloroethane	5900	500	"	5000		118	70-130			
Tetrachloroethene	4500	100	"	5000		90.9	70-130			
Ethylbenzene	5200	500	"	5000		103	70-130			
1,1,1,2-Tetrachloroethane	4900	500	"	5000		98.5	70-130			
m,p-Xylene	11000	500	"	10000		108	70-130			
o-Xylene	4900	500	"	5000		97.1	70-130			
1,1,2,2-Tetrachloroethane	5400	500	"	5000		109	70-130			
Surrogate: Dibromofluoromethane	*2230*		*"*	*2500*		*89.3*	*75-125*			
Surrogate: Toluene-d8	*2490*		*"*	*2500*		*99.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2390*		*"*	*2500*		*95.5*	*75-125*			

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92308 - EPA 5030										
Blank (EG92308-BLK1)				Prepared & Analyzed: 23-Jul-19						
1,1-Difluoroethane (LCC)	ND	100	ug/m3							
Dichlorodifluoromethane (F12)	ND	100	"							
Chloromethane	ND	100	"							
Vinyl chloride	ND	10	"							
Bromomethane	ND	100	"							
Chloroethane	ND	100	"							
Trichlorofluoromethane (F11)	ND	100	"							
1,1-Dichloroethene	ND	100	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	100	"							
Methylene chloride (Dichloromethane)	ND	100	"							
Methyl tertiary-butyl ether (MTBE)	ND	100	"							
trans-1,2-Dichloroethene	ND	100	"							
1,1-Dichloroethane	ND	100	"							
2,2-Dichloropropane	ND	100	"							
cis-1,2-Dichloroethene	ND	100	"							
Chloroform	ND	20	"							
Bromochloromethane	ND	100	"							
1,1,1-Trichloroethane	ND	100	"							
1,1-Dichloropropene	ND	100	"							
Carbon tetrachloride	ND	20	"							
1,2-Dichloroethane (EDC)	ND	20	"							
Benzene	ND	20	"							
Trichloroethene	ND	20	"							
1,2-Dichloropropane	ND	100	"							
Bromodichloromethane	ND	100	"							
Dibromomethane	ND	100	"							
cis-1,3-Dichloropropene	ND	100	"							
Toluene	ND	200	"							
trans-1,3-Dichloropropene	ND	100	"							
1,1,2-Trichloroethane	ND	100	"							
1,2-Dibromoethane (EDB)	ND	100	"							
1,3-Dichloropropane	ND	100	"							
Tetrachloroethene	ND	20	"							
Dibromochloromethane	ND	100	"							

H&P Mobile
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760-804-9678 Phone
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92308 - EPA 5030										
Blank (EG92308-BLK1)				Prepared & Analyzed: 23-Jul-19						
Chlorobenzene	ND	20	ug/m3							
Ethylbenzene	ND	100	"							
1,1,1,2-Tetrachloroethane	ND	100	"							
m,p-Xylene	ND	100	"							
o-Xylene	ND	100	"							
Styrene	ND	100	"							
Bromoform	ND	100	"							
Isopropylbenzene (Cumene)	ND	100	"							
1,1,2,2-Tetrachloroethane	ND	100	"							
1,2,3-Trichloropropane	ND	100	"							
n-Propylbenzene	ND	100	"							
Bromobenzene	ND	100	"							
1,3,5-Trimethylbenzene	ND	100	"							
2-Chlorotoluene	ND	100	"							
4-Chlorotoluene	ND	100	"							
tert-Butylbenzene	ND	100	"							
1,2,4-Trimethylbenzene	ND	100	"							
sec-Butylbenzene	ND	100	"							
p-Isopropyltoluene	ND	100	"							
1,3-Dichlorobenzene	ND	100	"							
1,4-Dichlorobenzene	ND	100	"							
n-Butylbenzene	ND	100	"							
1,2-Dichlorobenzene	ND	100	"							
1,2-Dibromo-3-chloropropane	ND	1000	"							
1,2,4-Trichlorobenzene	ND	100	"							
Hexachlorobutadiene	ND	100	"							
Naphthalene	ND	20	"							
1,2,3-Trichlorobenzene	ND	100	"							
Surrogate: Dibromofluoromethane	*489*		*"*	*500*		*97.8*	*75-125*			
Surrogate: Toluene-d8	*475*		*"*	*500*		*94.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*516*		*"*	*500*		*103*	*75-125*			

H&P Mobile
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760-804-9678 Phone
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Ninyo & Moore - Irvine	Project:	NM072219-ML	
475 Goddard, Suite 200	Project Number:	209691009 / 3084 10th St	Reported:
Irvine, CA 92618	Project Manager:	Mr. Patrick Cullip	02-Aug-19 09:42

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG92308 - EPA 5030										
LCS (EG92308-BS1)				Prepared & Analyzed: 23-Jul-19						
Dichlorodifluoromethane (F12)	5400	500	ug/m3	5000		108	70-130			
Vinyl chloride	5200	50	"	5000		105	70-130			
Chloroethane	5400	500	"	5000		109	70-130			
Trichlorofluoromethane (F11)	6600	500	"	5000		131	70-130			QL-1H
1,1-Dichloroethene	4600	500	"	5000		92.7	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5400	500	"	5000		108	70-130			
Methylene chloride (Dichloromethane)	4700	500	"	5000		94.7	70-130			
trans-1,2-Dichloroethene	4600	500	"	5000		92.8	70-130			
1,1-Dichloroethane	4900	500	"	5000		98.3	70-130			
cis-1,2-Dichloroethene	4800	500	"	5000		96.3	70-130			
Chloroform	5700	100	"	5000		114	70-130			
1,1,1-Trichloroethane	6100	500	"	5000		121	70-130			
Carbon tetrachloride	6500	100	"	5000		130	70-130			
1,2-Dichloroethane (EDC)	6900	100	"	5000		138	70-130			QL-1H
Benzene	4400	100	"	5000		89.0	70-130			
Trichloroethene	5900	100	"	5000		117	70-130			
Toluene	4800	1000	"	5000		95.2	70-130			
1,1,2-Trichloroethane	5100	500	"	5000		103	70-130			
Tetrachloroethene	5000	100	"	5000		99.3	70-130			
Ethylbenzene	4200	500	"	5000		83.1	70-130			
1,1,1,2-Tetrachloroethane	5300	500	"	5000		106	70-130			
m,p-Xylene	8000	500	"	10000		80.2	70-130			
o-Xylene	4000	500	"	5000		80.4	70-130			
1,1,2,2-Tetrachloroethane	4100	500	"	5000		82.8	70-130			
Surrogate: Dibromofluoromethane	*2670*		*"*	*2500*		*107*	*75-125*			
Surrogate: Toluene-d8	*2550*		*"*	*2500*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2450*		*"*	*2500*		*97.9*	*75-125*			

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Ninyo & Moore - Irvine 475 Goddard, Suite 200 Irvine, CA 92618	Project: NM072219-ML Project Number: 209691009 / 3084 10th St Project Manager: Mr. Patrick Cullip	Reported: 02-Aug-19 09:42

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
R-05	The sample was diluted due to the presence of high level(s) of non-target analyte(s) resulting in elevated reporting limits.
QL-1H	The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high.
LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743 & 2745.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

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VAPOR / AIR Chain of Custody

DATE: 7/22/19
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Ninyo & Moore	Project Name / #: 209691009
Lab Client Project Manager: Patrick Cullip	Project Location: 3084 10th Street
Lab Client Address: 475 Goddard, Suite 200	Report E-Mail(s): pcullip@ninyoandmoore.com jroberts@ " " " ac carroll@ " " "
Lab Client City, State, Zip: ~~475~~ Irvine, CA 92618	
Phone Number: (949) 753-7070	

Sample Receipt (Lab Use Only)

Date Rec'd: 7/22/19	Control #: 190632.00
H&P Project # NM072219-ML	
Lab Work Order # E907093	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s):
Signature:
Date:

Additional Instructions to Laboratory:

** Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
Ambient Air		7/22/19	830	AA	syringe	245/267		X						X					
B6-5		7/22/19	845	SV	tedlar	172/245		X						X					
B6-15		7/22/19	909	SV	tedlar	292/267		X						X					
B7-5		7/22/19	944	SV	tedlar	172/245		X						X					
B7-15		7/22/19	1007	SV	tedlar	292/267		X						X					
B9-5		7/22/19	1035	SV	tedlar	172/245		X						X					
B8-15		7/22/19	1054	SV	tedlar	292/267		X						X					
B18-5		7/22/19	1137	SV	tedlar	~~172/245~~ 7/22/19 NA		X						X					
B18-15		7/22/19	1140	SV	tedlar 7/22/19	~~NA~~ 267		X						X					
B18-5 Rep		7/22/19	13:40	SV	tedlar	NA		X						X					

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Audrey Carroll	Ninyo & Moore	8/1/19	0847	Bryce Thompson	H&P	7/22/19	1500

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 7/22/19

Lab Client and Project Information

Lab Client/Consultant: Ninyo & Moore	Project Name / #: 209691009
Lab Client Project Manager: Patrick Cullip	Project Location: 3084 10th St.
Lab Client Address: 475 Goddard, Suite 200	Report E-Mail(s): pcullip@ninyoandmoore.com
Lab Client City, State, Zip: Irvine CA, 92618	jroberts " " "
Phone Number: (949) 753-7070	acarroll " " "

Sample Receipt (Lab Use Only)

Date Rec'd: 7/22/19	Control #: 190632.00
H&P Project #: NM072219-ML	
Lab Work Order #: 5907073	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
	Lab PM Initials:

Reporting Requirements	Turnaround Time	Sampler Information
☒ Standard Report ☐ Level III ☐ Level IV	☒ Standard (7 days for preliminary report, 10 days for final report)	Sampler(s):
☐ Excel EDD ☐ Other EDD:		Signature:
☐ CA Geotracker Global ID:	☐ Rush (specify):	Date:

Additional Instructions to Laboratory:

** Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
B16-5		7/22/19	12:19	SV	Syringe	2455		X						X						
B16-15		7/22/19	1215	SV	Syringe	172/202		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Audrey Carroll	Ninyo & Moore	8/1/19	0847	Bryce Thompson	H&P	7/22/19	1500
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 7-23-19
Page 1 of 1

Lab Client and Project Information

Lab Client/Consultant: Ninyo & Moore	Project Name / #: 209691001
Lab Client Project Manager: Patrick J. Cullip	Project Location: 3084 10th Street
Lab Client Address: 475 Goddard, Suite 200	Report E-Mail(s): pcullip@ninyoandmoore.com, jroberts@ninyoandmoore.com, acarroll@ninyoandmoore.com
Lab Client City, State, Zip: Irvine CA 92618	
Phone Number: (949)753-7070	

Sample Receipt (Lab Use Only)

Date Rec'd: 7-23-19	Control #: 190632.00
H&P Project #: NM072219-ML	
Lab Work Order #: E907097	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☑ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☑ Standard (7 days for preliminary report, 10 days for final report)
☐ Rush (specify):

Sampler Information

Sampler(s): J Rekst
Signature:
Date: 7/23/19

Additional Instructions to Laboratory:

* Preferred VOC units (please choose one):
☐ µg/L ☑ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
Ambient Air Blank		07/23/19	812	AA	Grayline	255/306		X						X							
B17-15			941	SV		209		X						X							
B17-5			900			277		X						X							
B19-5			1004			264/276		X						X							
B13-5			1034			306/209		X						X							
B14-5			1101			277/255		X						X							
B15-5			1208			276/255		X						X							
B11-15			1410		274/255	209/306	7/23/19	X						X							
B11-15 REP			1454			209/306		X						X							

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Audrey Carroll	Ninyo & Moore	8/1/19	0847		H&P	7-23-19	
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

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VAPOR / AIR Chain of Custody

DATE: 7/23/19
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: Ninyo & Moore	Project Name / #: 209691009
Lab Client Project Manager: Patrick Cullip	Project Location: 3084 10th Street
Lab Client Address: 475 Goddard, Suite 200	Report E-Mail(s): pcullip@ninyo&moore.com
Lab Client City, State, Zip: Irvine, CA 92618	jroberts@ " " "
Phone Number: (949)753-7070	acarroll@ " " "

Sample Receipt (Lab Use Only)

Date Rec'd: 7/23/19	Control #: 190632.00
H&P Project #: NM072219-ML	
Lab Work Order #: E907098	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): Martin Acosta
Signature:
Date: 7/23/19

Additional Instructions to Laboratory:

** Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
Ambient Air 072319		7/23/19	805	AA	syringe	283/87		X						X						
B1-5		7/23/19	830	SV	syringe	245/267		X						X						
7/23/19 (B1) ~~B2~~ B1-15		7/23/19	853	SV	syringe	283/87		X						X						
B3-5		7/23/19	915	SV	syringe	292/172		X						X						
B3-15		7/23/19	922	SV	syringe	245/267		X						X						
B4-5		7/23/19	948	SV	syringe	283/87		X						X						
B4-15		7/23/19	1001	SV	syringe	292/172		X						X						
B4-5 Rep		7/23/19	1019	SV	syringe	283/87		X						X						
B5-5		7/23/19	1048	SV	syringe	245/267		X						X						
B5-15		7/23/19	~~1028~~ 1037	SV	syringe	~~292/172~~ 245/267		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Audrey Carroll	Ninyo & Moore	8/1/19	0847	Bryce Thompson	H&P	7/23/19	1700

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VAPOR / AIR Chain of Custody

DATE: 7/23/19
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: Ninyo & Moore	Project Name / #: 209691009
Lab Client Project Manager: Patrick Cullip	Project Location: 3084 10th Street
Lab Client Address: 475 Goddard, Suite 200	Report E-Mail(s): pcullip@ninyoandmoore.com
Lab Client City, State, Zip: Irvine, CA 92618	j roberts " " "
Phone Number: (949) 753-7070	a carroll " " "

Sample Receipt (Lab Use Only)

Date Rec'd: 7/23/19	Control #: 190632.00
H&P Project # NM072219-ML	
Lab Work Order # ~~E907~~ E907098	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD:
☐ CA Geotracker Global ID:

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify):

Sampler Information

Sampler(s): Martin Acosta
Signature: [signature]
Date: 7/23/19

Additional Instructions to Laboratory:

** Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☒ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☒ CO2 ☐ O2 ☐ N2				
B2-15		7/23/19	1419 ~~1557~~	SV	syringe	~~245/267~~ 292/172		X						X						
B2-5		7/23/19	1337	SV	syringe	87/283		X						X						
B9-5		7/23/19	1447	SV	syringe	267/245		X						X						
B9-15		7/23/19	1513	SV	syringe	283/87		X						X						
B10-5		7/23/19	1540	SV	syringe	267/245		X						X						
B10-15		7/23/19 ~~7/23/19~~	1645 ~~1559~~	SV	tedlar ~~syringe~~	87/283		X						X						
B11-5		7/23/19	1650	SV	tedlar	172		X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Audrey Carroll [signature]	Ninyo & Moore	8/1/19	0847	Bryce Thompson	H&P	7/23/19	1700

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: NM072219-ML
Date: 7/22/19
Site Address: 3084 10th Street
Page: 1 of 1
Consultant: Ninyo & Moore
H&P Rep(s): Martin Acosta
Consultant Rep(s): Audrey Carroll
~~Sean~~ Bryce

Reviewed: DB
Scanned: TTomes

Equipment Info	Purge Volume Information	Leak Check Compound
Inline Gauge ID#:	PV Amount: 3	☑ 1,1-DFA
Pump ID#: 036	PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%	☐ 1,1,1,2-TFA ☐ IPA ☐ Other:
		A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

Resample Key
[illegible] Resample
[illegible] Leak Check Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	B6-5	Bag	500	8:45	5	7	.177	6/6	2.75/2.25	12	2.75	✓	✓	3024	200	15:07	200	Ø
2	15		500	9:09	15	17		12	2.25	12		✓	✓	2358		11:47		Ø
3	B7-5		500	9:44	5	7		6/6	2.75/2.25			✓	✓	3024		15:07		Ø
4	15		500	10:07	15	17		12	2.25			✓	✓	2358		11:47		Ø
5	B8-5		500	10:35	5	7		6/6	2.75/2.25			✓	✓	3024		15:07		Ø
6	15		500	10:54	15	17		12	2.25			✓	✓	2358		11:47		Ø
7	B18-5		500	11:37	5	7		6/6	2.75/2.25			✓	✓	3024		15:07		Ø
8	15		500	11:40	15	17		12	2.25			✓	✓	2358		11:47		Ø
9	B16-5		500	12:19	5	7		6/6	2.75/2.25			✓	✓	3024		15:07		Ø
10	15		500	12:15	15	17		12	2.25			✓	✓	2358		11:47		Ø
11	B18-5 Rep		500	1:46	5	7		6/6	2.75/2.25			✓	✓	3558		—	200	Ø
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
(11) 3024 + 34 + 500 =

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Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: NM072219-ML
Date: 7/23/19
Site Address: 3084 10th Street
Page: ~~2~~ 1 of ~~3~~ 2
Consultant: Ninyo & Ollie
H&P Rep(s): Martin Acosta
Consultant Rep(s): Audra Carroll
Bruce Thompson

Reviewed: DB
Scanned: TTorres

Equipment Info	Purge Volume Information	Leak Check Compound
Inline Gauge ID#:	PV Amount: 3	☑ 1,1-DFA
Pump ID#: 038	PV Includes: ☑ Tubing	☐ 1,1,1,2-TFA
	☑ Sand 40%	☐ IPA
	☐ Dry Bent 50%	☐ Other:
		A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.

Resample Key
[illegible] Sample
RS [illegible] Resampling
RF [illegible] LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	B1- 5	267/245	100	8:30	5	7	.177	6/6	12	2.75/2.25	2.75	✓	✓	3024	200	15:07	<200	Ø
2	15	87/263	100	8:53	15	17	(	12	12	2.25	(	✓	✓	2358	(	11:47	(	Ø
3	B3- 5	277/232	100	9:15	5	7		6/6	12	2.75/2.25		✓	✓	3024		15:07		Ø
4	15	267/245	100	9:22	15	17		12	12	2.25		✓	✓	2358		11:47		Ø
5	B4- 5	283/87	100	9:48	5	7		6/6	12	2.75/2.25		✓	✓	3024		15:07		Ø
6	15	292/272	100	10:01	15	17		12	12	2.25		✓	✓	2358		11:47		Ø
7	B4-5 Rep	87/283	100	10:19	5	7		6/6	12	2.75/2.25		✓	✓	3158		—		Ø
8	B5- 5	267/245	100	10:45	5	17		6/6	12	2.75/2.25		✓	✓	3024		15:07		Ø
9	15	292/272	100	10:58	15	17		12	12	2.25		✓	✓	2358		11:47		Ø
10	B5-15 RS	245/247	100	1:59	15	17		12	12	2.25		✓	✓	2492		—		Ø
11	B2- 5	287/87	100	1:37	5	7		6/6	12	2.75/2.25		✓	✓	3024		15:07		Ø
12	15	267/245	100	12:00	15	17		12	12	2.25		✓	✓	2358		11:47		Ø

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):

(7) 3024 + 100 + 34 = 3158

(10) 2358 + 100 + 34 = 2492

Switch these Two

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Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: NM072219-ML
Date: 7/23/19
Site Address: 3084 10th street
Page: 3 of 3
Consultant: Ninyo & Moore
H&P Rep(s): M. Acosta, B. Thompson
Consultant Rep(s): Audrey Carroll
Reviewed: DB
Scanned: T Torres

Equipment Info
Inline Gauge ID#:
Pump ID#: 039

Purge Volume Information
PV Amount: 3
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	B5 15 - RS	292/287	100	2:19	15	17	1.177	12	2.75	1.25	2.75							Ø
2	B9 - 5	267/245	100	2:47	5	7		6/6	2.75/2.25	1.25								Ø
3	B9 - 15	293/287	100	3:13	15	17		12	2.25	1.25								Ø
4	B10 - 5	267/245	100	3:40	5	7		6/6	2.75/2.25	1.25								Ø
5	15	283/287	100	3:59	15	17		12	2.25	1.25								Ø
6	B11 - 15	293/272	100	4:17	15	17		12	2.25	12								Ø
7																		
8	B10 - 15 RS	Bag	500	4:40	15	17		12	2.25	12								Ø
9	B11 - 5 RS	Bag	500	4:50	5	7		6/6	2.75/2.25	12								Ø
10																		
11																		
12																		

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
① purge + 34 + 100 = RS

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Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: NM072219 - Mc/Techs
Date: 7/23/19
Site Address: 3084 10th St. Riverside RIV
Page: 1 of 1
Consultant: Ninyo & Moore
H&P Rep(s): J. Rebec
Reviewed: DB
Consultant Rep(s): Audrey Carroll
B. Stangl
Scanned: TTorres

Equipment Info
Inline Gauge ID#:
Pump ID#: 035/006

Purge Volume Information
PV Amount: 3PV
PV Includes: [X] Tubing [X] Sand 40% [X] Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
[X] 1,1-DFA
[ ] 1,1,1,2-TFA
[ ] IPA
[ ] Other:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac [ ] Hg [X] H_2O
1	B17-15	209	50	0841	15	17	1/4	12	2.25	12	2.25	✓	✓	2358	200	11:47	<200	5
2	B17-5	277	50	0900	5	7	1/4	6/6	2.25/2.75	12/6	2.25	✓	✓	3024	200	[illegible]	<200	5
3	B19-5	294/276	100	1004	5	7	1/4	12	2.75	12	2.75	✓	✓	3255	200	16:17	<200	5
4	B13-5	306/209	100	1034	5	7	1/4	12	2.75	12	2.75	✓	✓	3255	200	16:17	<200	0
5	B14-5	255/277	100	1101	5	7	1/4	1/12	2.75	12	2.75	✓	✓	3255	200	16:17	<200	0
6	B14-5 REP	276/294	100	1145	5	7	1/4	12	2.75	12	2.75	✓	✓	3389	200	—	<200	5
7	B15-5	306/209	100	1236	5	7	1/4	12	2.75	12	2.75	✓	✓	3255	200	16:17	<200	0
8	B15-5 ~~REP~~ RL	255/276	100	1308	5	7	1/4	12	2.75	12	·	✓	✓	3355	200	—		
9	B11-15	306/209	100	1343	15	17	1/4	12	2.25	12	2.25	✓	✓	2358	200	11:47	<200	0
10	~~B11-5~~	~~277/294~~	~~100~~		~~5~~	~~7~~	~~1/4~~	~~6/6~~	~~2.75/2.25~~	~~12~~	~~2.25~~	~~✓~~	~~✓~~	~~3024~~	~~200~~	~~15:~~		
11	~~B11~~ B11-5 ~~REP~~ RL	276/255	100	1410	15	15	1/4	12	2.75	12	2.25	—	✓	2358	200	11:47	<200	0
12	B11-15 REP	294/306	100	1454	17	17	1/4	12	2.25	12	2.25	—	—	2458	200	—	<200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
#2 12" bent 2.25" diameter
(2) pump time 15:07
(6) REP had DFA, will rep different location
In-line gauge had hole in Tygon Tubing
(10) B11-5 sample by Bryce

APPENDIX F

Waste Manifest

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Generator and/or Consultant

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07		

Generator's Name and Billing Address: RIVERSIDE COUNTY TRANSPORTATION COMMISSION, HECTOR CASILLAS 4080 LEMON STREET, 3RD FLOOR RIVERSIDE , CA 92501	Generator's Phone #: 951-778-1097 Person to Contact: FAX#:	 Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #: Person to Contact: FAX#:	 Customer Account Number
Generation Site (Transport from): *(name & address)* RIVERSIDE DOWNTOWN METROLINK STATION 3084 10TH STREET RIVERSIDE, CA 92507	Site Phone #: Person to Contact: FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001 Person to Contact: JOE PROVANSAL FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 311076	Transporter's Phone #: 949-460-5200 Person to Contact: LARRY MOOTHART FAX#: 949-460-5210	CAR000183913 450647 Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	2 DM	Soil			
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ❑ CHENG XUE

Signature and date: [illegible] RCTC Month 9 Day 20 Year 19

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: EDUARDO GARCIA

Signature and date: Month 9 Day 20 Year 19

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: J. PROVANSAL / BILL BISHOP / BARRY MEEK

Signature and date:

Please print or type.

GENERATOR/CONSULTANTS COPY

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

475 Goddard, Ste. 200 | Irvine, California 92618 | p. 949.753.7070

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

www.ninyoandmoore.com

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Human Health Risk Assessment

Proposed Metrolink Train Station Platform
10 APNs Adjacent to the Riverside Downtown Metrolink Station
Riverside, California 92502

Riverside County Transportation Commission

4080 Lemon Street, Third Floor | P.O. Box 12008 | Riverside, California 92502

May 8, 2020 | Project No. 209691009

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Human Health Risk Assessment

Proposed Metrolink Train Station Platform
10 APNs Adjacent to the Riverside Downtown Metrolink Station
Riverside, California 92502

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor | P.O. Box 12008 | Riverside, California 92502

May 8, 2020 | Project No. 209691009

John Jay Roberts, PG, CEG
Principal Geologist

Heriberto Robles, MS, PhD, DABT
Principal Toxicologist

JJR/HR/sc

Distribution: (1) Addressee (via e-mail)

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2 – Soil Sample Analytical Results – TPHs

3 – Soil Sample Analytical Results – VOCs

4 – Soil Sample Analytical Results – PCBs, OCPs, and SVOCs

5 – Soil Vapor Sample Analytical Results – VOCs

6 – Exposure Parameters for Onsite Receptors – Occupational Exposure Scenario

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8 – Volatilization Emission Factor Calculation

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11 – Estimated Cumulative Risks and Hazards – Occupational Exposure Scenario

11A – Estimated Cumulative Risks and Hazards - Occupational Exposure Scenario - Using Either Maximum Detected Concentrations or Maximum SQLs for Chemicals Reported as Non-Detected

12 – Estimated Cumulative Risks and Hazards – Offsite Neighbor Residential Exposure Scenario

12A – Estimated Cumulative Risks and Hazards for Offsite Neighbor Residential Exposure Scenario - Using Either Maximum Detected Concentrations or Maximum SQL for VOCs Reported as Non-Detected

13 – Estimated Cumulative Risks and Hazards – Using Maximum Detection Limits for Non-Detected Chemical in Soil

14 – Estimated Cumulative Risks and Hazards – Using Maximum Detection Limits for Non-Detected Chemical in Soil Vapor

FIGURES

1 – Site Location

2 – Site Plan

3 – Conceptual Site Model

4 – Arsenic and Lead in Shallow Soil

5 – TPHs, VOCs, and SVOCs in Soil

6 – Soil Vapor VOCs at 5 Feet

7 – Soil Vapor VOCs at 15 Feet

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A – Cancer Risk and Health Hazard Calculation Spreadsheets

B – ProUCL Printouts

C – Adult Lead Model

EXECUTIVE SUMMARY

At the request of the Riverside County Transportation Commission, Ninyo & Moore conducted a Human Health Risk Assessment (HHRA) for the 10 APNs adjacent to the Riverside Downtown Metrolink Station property located in Riverside, California (site). The objective of the HHRA was to evaluate whether man-made chemicals detected in soil and soil vapor at the site represent a threat to future onsite and offsite receptors.

The site is located east and adjacent to the Riverside Downtown Metrolink Station in Riverside, California (Figure 1). The site is comprised of the following properties: 3034 and 3084 10th Street; 3010 11th Street; and 3009, 3021, and 3087 12th Street in Riverside, California. The site totals approximately 7.5 acres and is comprised of the following 10 Riverside County Assessor's Parcel Numbers: 211-201-004, -006, -007, -008, -025, -027, -028, -030, -037, and -039. Municipal water well operated by the City of Riverside is located at the northwest corner of the manufacturing building (Area C). The site is bound by 10th Street to the north, Howard Avenue to the east, 12th Street to the south, and Metrolink train tracks and platform to the west (Figure 2).

The site has been subdivided into the following areas (Figure 2):

- Area A – Formerly occupied by Southern California Gas Company (current Mad Atom LLC) at 3084 East 10th Street in the northwest portion of the site.
- Area B – Formerly occupied by Home Oil and Royal Citrus/MLM Trucking (current storage yard for Mad Atom LLC) at 3034 East 10th Street in the northeast portion of the site.
- Area C – Formerly occupied by Food Machinery and Chemical Corporation (FMC Corp.) (current Mad Atom LLC) at 3075 and 3087 12th Street in the southwest portion of the site.
- Area D – Formerly occupied by Campbell Oil and Poma Distributing at 3010 11th Street in the southeast portion of the site.
- Area E – Residences at 3009 and 3021 12th Street in the southeast corner of the site. Area E was not a part of Ninyo & Moore's Limited Phase II Environmental Site Assessment and is not part of this HHRA.

Plans exist to develop the site into a paved train platform for the Riverside Metrolink Station. The majority of the site will be an open air parking lot. As planned, there will be an elevator tower to connect to an overhead pedestrian crossing. There will be no habitable buildings or buildings of any kind at the site. Improvements such as canopies, wind guards, light stanchions may be added in the future. Under these conditions, the potential receptors at the site are construction/maintenance workers whom may come in contact with soil while doing earth-moving activities or during construction and installation of subsurface structures and utility lines. Exposure pathways evaluated for onsite workers include the incidental ingestion of soil, dermal contact and inhalation of vapors and soil particulates.

It can be said that offsite residential populations located in the neighboring communities could be exposed to chemicals vapors released from subsurface sources under the site. While inhalation exposures at the neighboring locations are expected to be substantially less than those estimated for onsite workers, their potential exposures were evaluated in this HHRA.

In accordance with established risk assessment guidance, cancer risks were estimated by multiplying chemical-specific cancer slope factors by lifetime chemical intake estimates. Non-cancer health hazards were estimated by dividing average daily chemical intakes by chemical-specific reference doses. Together, cancer risk estimates and non-cancer health hazard estimates characterize health risks associated with potential exposures for onsite and offsite receptors evaluated in this HHRA.

The estimated incremental cancer risks are within levels considered acceptable by California health and environmental protection agencies. The Hazard Index for construction workers was estimated to be 7. The acceptable Hazard Index for occupational exposures in California is 1.0. The chemical responsible for the high Hazard Index for construction workers was arsenic and the exposure pathway that represented the highest exposure potential was the ingestion of soil.

Adverse health effects associated with exposure to lead have been correlated with concentrations of lead in whole blood and not with intake of lead by an individual. The California Department of Toxic Substances Control (DTSC) considers blood-lead concentrations of over one microgram per deciliter (ug/dl) as levels that could indicate adverse effects. The health effects of lead were evaluated by using the U.S. Environmental Protection Agency Adult Lead Model (available through DTSC's Leadspread version 8.0) to predict the percentile blood lead concentration for adult populations.

Based on the maximum detected soil lead concentration of 430 mg/kg, the Adult Lead Model predicted an upper limit blood lead concentration of 0.7 ug/dl. This estimated value does not exceed the acceptable target blood lead level of 1.0 µg/dl. Results of this lead exposure evaluation indicate that future paving and concrete cover at the site should be sufficient to protect future onsite workers, visitors and offsite residents from exposures to lead-impacted soils at the site.

Based on the results of this HHRA, it is recommended that a Soil Management Plan be prepared that presents precautions to be taken to minimize dust/chemical volatilization and exposure during earth moving and construction activities. Construction workers must be made aware of the health risks posed by excessive dust/chemical inhalation while doing earth-moving activities. Construction workers shall not participate in field activities until they have been trained to the level required by their job function and responsibility. The specific types of training required include orientation training for new employees, basic training for first-time workers, supervisor training,

advanced training, site-specific training, first aid, and refresher training for construction workers, RCTC and Bechtel staff.

During grading operations, construction workers assigned to work in the vicinity of impacted areas of the site should have completed at a minimum 40-hour Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response training and be current with respect to annual refresher training prior to working at the site. This will include personnel who will be involved with activities where contaminated soils are likely to be encountered. Training content shall be as specified in 29 Code of Federal Regulations (CFR) 1910.120 (e) and 8 California Code of Regulations (CCR) 5192 (e). Equipment operators for scrapers, backhoes, excavators with an enclosed cabin are exempt from this requirement. At a minimum, construction work must be conducted under a Health and Safety Plan in accordance with applicable sections of 29 CFR 1910.120 and CCR Title 8, CCR Section 5192.

Conclusions and recommendations presented in this report are based on reported chemical concentrations and the proposed future land use of the site. In this risk assessment, the fate-and-transport models, parameters, toxicity data and assumptions were applied in accordance with federal and state regulatory guidelines. These guidelines are meant to protect the public and tend to overestimate potential health risks. As such, this risk assessment provides an estimate of the upper boundary of potential health risks, rather than an accurate representation of true health risks posed by the site.

1 INTRODUCTION

At the request of Riverside County Transportation Commission (RCTC), Ninyo & Moore conducted a Human Health Risk Assessment (HHRA) for the 10 APNs adjacent to the Riverside Downtown Metrolink Station property located in Riverside, California (site, Figures 1 and 2). The objective of the risk assessment was to evaluate whether man-made chemicals detected in soil and soil vapor at the site pose a health risk to future onsite workers and offsite residents. A Conceptual Site Model is presented as Figure 3.

The HHRA was performed in conformance with guidance from the United States Environmental Protection Agency (EPA) and the California Department of Toxic Substances Control (DTSC). Specifically, this HHRA quantitatively evaluates the potential health impacts associated with human exposure to chemicals detected in soil and soil vapor at the site. Site characterization data collected during a 2019 Limited Phase II Environmental Site Assessment (ESA) performed by Ninyo & Moore were compiled into a database and statistically analyzed to establish representative chemical concentrations (Ninyo & Moore, 2019). Then, where appropriate, environmental fate and transport models were used to estimate the concentrations of the chemicals to which human receptors might be exposed.

Conservative methods, models, and assumptions have been utilized during the preparation of this HHRA in accordance with the guidelines of the EPA and DTSC. In addition, the risk assessment incorporates, to the extent possible, recent improvements and refinements in the practice of risk assessment. Current regulatory guidance requires risk assessments to be conservative in nature and to overestimate potential health risks. Therefore, actual risks associated with conditions evaluated in this risk assessment are likely to be lower than those described herein.

2 SITE CHARACTERIZATION

2.1 Site Location and Operations

The site is located east and adjacent to the Riverside Downtown Metrolink Station in Riverside, California. The site is bound by 10th Street to the north, Howard Avenue to the east, 12th Street to the south, and Metrolink train tracks and platform to the west and is comprised of the following properties: 3034 and 3084 10th Street; 3010 11th Street; and 3009, 3021, and 3087 12th Street in Riverside, California. The site totals approximately 7.5 acres and is comprised of the following 10 Riverside County Assessor's Parcel Numbers: 211-201-004, -006, -007, -008, -025, -027, -028, -030, -037, and -039. A municipal water well operated by the City of Riverside is located at the northwest corner of the manufacturing building (Area C).

The site has been subdivided into the following areas (Figure 2):

- Area A – Formerly occupied by Southern California Gas Company (current Mad Atom LLC) at 3084 East 10th Street in the northwest portion of the site.
- Area B – Formerly occupied by Home Oil and Royal Citrus/MLM Trucking (current storage yard for Mad Atom LLC) at 3034 East 10th Street in the northeast portion of the site.
- Area C – Formerly occupied by Food Machinery and Chemical Corporation (FMC Corp.) (current Mad Atom LLC) at 3075 and 3087 12th Street in the southwest portion of the site.
- Area D – Formerly occupied by Campbell Oil and Poma Distributing at 3010 11th Street in the southeast portion of the site.
- Area E – Residences at 3009 and 3021 12th Street in the southeast corner of the site. Area E is not a part of this Limited Phase II ESA.

2.2 Geology and Hydrogeology

Based on our review of Google Earth™ and the United States Geological Survey (USGS, 2012), 7.5-Minute Topographic Quadrangle Map Series, Riverside East, California, the site elevation ranges from 870 to 890 feet above mean sea level. The regional topography is generally flat and slopes gently to the west-northwest.

According to the Geologic Map of the Riverside East/South ½ of San Bernardino South Quadrangles, the majority of the site is underlain by alluvial gravel and sand of stream channels. The northern portion of the site is underlain by alluvial fan deposits, which are described as tan to light reddish brown sand with minor gravel (Dibblee & Minch, 2003).

Soil encountered during the 2019 ESA consisted of fill and/or alluvium. Fill was encountered at approximate thicknesses ranging from 1 to 20 feet, and generally consisted of light to dark brown sand, silt, sandy silt, and silty sand. Alluvium was encountered at depths ranging from just beneath the surface to approximately 25 feet below ground surface (bgs). Alluvium generally consisted of medium and light brown to reddish brown, sand, silt, silty sand, and sandy silt to the total depth explored (25 feet bgs).

Based on groundwater measurements collected in 2008 from the site vicinity, groundwater was encountered at a depth of 100 to 110 feet bgs. The groundwater gradient was reported to flow towards the south-southwest. Groundwater levels, gradient, and flow direction can fluctuate due to seasonal variations, groundwater withdrawal or injection, changes in land use, and other factors.

2.3 Previous Investigations

The following excerpts regarding previous investigations are from Ninyo & Moore's Limited Phase II ESA dated December 3, 2019.

In April 2018, Ninyo & Moore conducted a Phase I ESA for the site on behalf of the RCTC (Ninyo & Moore, 2018). At the time of the 2018 site reconnaissance, Areas A, B, and C were occupied by Prism Aerospace (Prism), a manufacturer of airplane parts and other miscellaneous metal goods. Area D (3010 11th Street) was vacant and used for freight truck parking. Area D also contained an abandoned soil vapor extraction (SVE) system within a fenced enclosure. Area E was developed with two residences (3009 and 3021 12th Street).

According to historical records, a manufactured gas plant (MGP) operated in Area A from 1888 to 1911. From 1911 to 1959, Southern California Gas Company utilized the property for the storage of natural gas with a gas booster pump house. Several evaluations found polycyclic aromatic hydrocarbons (PAHs), benzidine, tetrachloroethylene (PCE), naphthalene, polychlorinated biphenyls (PCBs), arsenic, and lead were present in some locations at concentrations that would pose a health risk to occupants in a residential land use setting. Excavation and transport of soils for ex-situ treatment at a thermal desorption facility was selected as the remedial alternative. From July 2010 to February 2011, approximately 45,000 tons of non-hazardous soil at depths ranging from 2 to 52 feet bgs was removed. Following remedial activities, a soil vapor monitoring program was established. Soil vapor monitoring indicated a stabilizing trend for benzene, naphthalene, and chlorinated hydrocarbons.

Activity use limitations (AULs) exist at portions of the former Southern California Gas Company property (Areas A and C) where excavation of impacted soil could not be conducted due to the presence of buildings (Figure 2). Land use covenants (LUCs) on these portions dictate that the area shall not be used for sensitive receptors, soil disturbance activities shall not be conducted without the preparation of a soil management plan (SMP) and consent of the DTSC, and groundwater monitoring wells shall not be disturbed, among other provisions. Based on an approval letter from DTSC, dated February 20, 2014, each of the monitoring wells and soil vapor probes installed following remediation on the site have been abandoned.

According to historical record sources, Home Oil occupied Area B from 1931 to 1967. The facility contained numerous oil tanks, loading docks, and a pump house. An evaluation was conducted by the DTSC in 2007. Several hazardous materials were improperly stored in the open yard at the northeast portion of Area B. Soil staining was observed around some of the areas. Surface soil samples collected in January 2008 contained elevated levels of petroleum hydrocarbons. Petroleum-impacted soil was disposed at U.S. Ecology in Beatty, Nevada. Based on soil sampling

and testing, Phillips Petroleum's environmental consultant stated that additional near-surface investigations and dig and haul operations of petroleum-impacted soil might be required to achieve residential land use cleanup goals.

The former FMC Corp. (Area C) operated from 1940 until the early 1980s. Operations included the manufacturing, assembly, metal plating, and painting of fruit packaging machinery, as well as amphibious landing craft from 1940 until the early 1980s. During the removal of a waste oil underground storage tank (UST), sludge and oil leaks were discovered that triggered an environmental evaluation and monitoring program by the Santa Ana Regional Water Quality Control Board (RWQCB). Subsequent groundwater monitoring found that volatile organic compounds (VOCs) concentrations were higher upgradient of the FMC Corp. (offsite), and therefore FMC Corp. could not be considered the primary responsible party but maybe one of many contributors of a comingling VOC plume. The RWQCB provided RCTC with a letter of comfort stating that based on available information, as long as the RCTC meets certain conditions, they will not be held liable for future cleanup or monitoring activities. These provisions include not exacerbating the current issue, not affiliating with the responsible party, cooperating with cleanup efforts, among others. Other environmental concerns noted in Area C include the following:

- A former railroad track, which was covered with concrete, was observed trending northeast-southwest in the middle of the site.
- An abandoned elevator shaft was observed at the southern portion of the manufacturing building, with an associated pump and hydraulic oil system. The exact age of the elevator is unknown, but has been inoperable for many years and is not permitted with the City of Riverside Department of Building and Safety (Building Department). During our site visit on July 12, 2019 to mark out borings, Mr. Jeff Gove, Prism's chief maintenance person stated that the elevator was water-powered, and has not been used in years due to leaking water reservoir when it was tried to be filled with water many years ago.

Campbell Oil formerly occupied Area D between 1948 and 1991, when Mr. Mike Poma purchased the property out of bankruptcy. An assessment was conducted by Campbell Oil, and petroleum hydrocarbons were encountered at elevated levels in soil samples up to 20 feet bgs. Excavation was conducted; however, petroleum impacts reportedly extended beyond the excavation. Mr. Poma filed a lawsuit against Campbell Oil. A soil vapor extraction system (SVE) operated at Area D from July 22, 1999 to October 2000 and removed approximately 1,960 pounds of petroleum. The SVE system was stopped because the SVE company (Park Corporation) went out-of-business. A follow-up evaluation was conducted in August 2002, which reported petroleum in the gasoline range in one boring at a maximum concentration of 13,000 milligrams per kilogram (mg/kg) to a depth of 30 feet bgs. The RWQCB case is currently open and inactive. Based on a

site visit and discussions with Mr. Poma the aboveground equipment for the SVE has been destroyed by vandalism. The underground piping and wells remain intact to his knowledge.

The following recognized environmental conditions (RECs) were reported during the Phase I ESA (Ninyo & Moore, 2018):

- The historical presence of a railroad right-of-way on the site presents a potential for contamination resulting from leaks or spills from the railcars or historic application of surface chemicals during railroad operations.
- The presence of an abandoned elevator shaft with an associated pump and hydraulic oil system (suspected at that time, which was later found to be water-powered) at the southern portion of the manufacturing building (Area C).
- The site overlies the Riverside Plume, a known groundwater plume impacted with VOCs, pesticides, herbicides, nitrate, and perchlorate. Sampling of groundwater between 2005 and 2008 showed significant VOC impacts (primarily PCE and trichloroethylene [TCE]) in the site vicinity.
- Due to historical industrial operations by the FMC Corp. and known use of solvents, contaminated soil may be present beneath Area C.
- The remedial action and acceptance by the DTSC in Area A associated with the former MGP within the portions of the area that were remediated is considered an Historic REC.
- AULs exist for portions of Areas A and C where excavation of contaminants could not be conducted due to accessibility issues. The presence of the LUC on portions of the site is considered a Controlled REC.
- The presence of petroleum-impacted soil associated with the inactive case at Area D (former Campbell Oil) is a REC.
- The potential presence of petroleum-impacted soil in Area B associated with the former Home Oil is considered a REC.
- Based on historical research and the results of the vapor encroachment screening matrix conducted by Ninyo & Moore, a vapor encroachment condition exists beneath the site.

From July 17 to 19, 2019, Ninyo & Moore conducted a Limited Phase II ESA on behalf of the RCTC, of the properties encompassing approximately 7.5 acres adjacent to the Riverside Downtown Metrolink Station in Riverside, California. At the time of the ESA, the site was proposed to be purchased by RCTC and developed as part of the Riverside Downtown Metrolink Station project into a paved parking lot.

The overall project objectives of the Limited Phase II ESA include:

- Establish the nature of chemicals of potential concern (COPCs) that may be present in soil and soil vapor at the site and their concentrations.

- Estimate the potential threat to construction workers, public health, and the environment posed by COPCs at the site.
- Preliminarily evaluate soil removal and remediation needs based on the results of the Limited Phase II ESA, which may affect the site purchase negotiations.

Field activities conducted at the site included advancing and sampling 19 borings (B1 to B19) and an alternate boring (B4A), and installing and sampling temporary soil vapor probes. The approximate locations of the borings are presented in Figure 2. Soils were sampled up to 25 feet bgs to aid in the understanding of the potential for risk both to future workers as well as potential liabilities associated with property purchase.

Title 22 Metals in Soil Samples

Thirty-six soil samples were analyzed for Title 22 metals by EPA Methods 6010B/7471A. The results are provided in Table 1.

TPH in Soil Samples

Forty-nine soil samples were analyzed for TPHs by EPA Method 8015B/M and the results are provided in Table 2.

VOCs in Soil Samples

Forty-nine soil samples were analyzed for VOCs by EPA Method 8260B and the results are provided in Table 3.

Semi-Volatile Organic Compounds in Soil Samples

Forty soil samples were analyzed for SVOCs or PAHs by EPA Methods 8270C/CM and the results are provided in Table 4. PAHs were detected at relatively higher concentrations in the LUC areas than in other portions of the site. However, in some instances the detection limits were raised due to dilution factor by the laboratory analyses (e.g., Area D). Area D elevated detection limits are likely the result of interference from other petroleum hydrocarbons. Elevated concentrations of SVOCs (converted to benzo[a]pyrene equivalents) are shown on Figure 5.

PCBs in Soil Samples

Twenty soil samples were analyzed for PCBs by EPA Method 8082 and the results are provided in Table 4. Four samples contained PCBs (Aroclor-1254 and Aroclor-1260) at a maximum concentration of 28 micrograms per kilogram (µg/kg) (Aroclor-1260) and 140 µg/kg (Aroclor-1254), both from B15-0.5', located in Area C. PCBs were generally not detected in the LUC areas, and were detected in some of the surface samples from Area C.

Organochlorine Pesticides (OCPs) in Soil Samples

Eight soil samples were analyzed for OCPs by EPA Method 8081A and the results are provided in Table 4.

VOCs in Soil Vapor Samples

Thirty-two soil vapor samples were analyzed for VOCs by EPA Method 8260SV. One or more VOC was present in 23 of the samples. VOC analytical results are summarized in Table 5.

Elevated detection limits for samples from boring B18 were likely caused by interference from petroleum hydrocarbons. VOCs listed in Table 5 may, therefore, be present in boring B18 samples at potentially higher concentrations.

Preparation of a SMP was also recommended. The SMP should include provisions and protocol for protection of construction worker exposure to TPH and arsenic. The SMP should address construction worker safety regarding potential soil vapors during grading and paving activities. Implementation of a vapor barrier beneath the parking lot pavement in the areas of borings B2, B3 and B4 should be evaluated.

2.4 Selection of Chemicals of Potential Concern

All chemicals detected at the Site were included in a formal selection of chemicals of potential concern (COPC). As described in current USEPA and DTSC risk assessment guidance, the purpose of selecting COPCs is to focus the assessment on those chemicals that could reasonably be expected to pose a significant health risk. COPCs were selected so that the most prevalent, and potentially toxic, compounds detected at the Site (i.e., those chemicals that represent the greatest potential threat to human health) were quantitatively evaluated in the health risk evaluation.

2.4.1 Metals

All metals detected in soil at the Site were evaluated in this HHRA. Soil metal data is summarized in Table 1.

2.4.2 Organic Compounds

Organic compounds detected in soil at concentrations above laboratory reporting limits at least once were considered to be COPCs for the Site. Organic chemicals detected in soil at the Site are listed in Tables 2 through 4.

2.4.3 Statistical Analysis of Soil Data

A statistical analysis was conducted only for arsenic and TPH. Other chemicals were either detected sporadically or at low concentrations; therefore, a statistical analysis was only

conducted for arsenic and TPH. For other chemicals, the maximum detected concentrations were included in the risk evaluation.

The purpose of the statistical analysis was to obtain a representative soil chemical concentration for arsenic and the different TPH compounds identified in soil at the site. The soil data was analyzed following United States Environmental Protection Agency (USEPA, 1989), and DTSC (2015) guidance. The statistical analysis was conducted using the ProUCL (Version 5.1) software (Singh and Maichle, 2015), which is recommended by both the USEPA and DTSC. Copies of ProUCL printouts are presented in Appendix B.

The USEPA (1992) recommends that the 95UCL be used as an upper-bound concentration that can be expected at a site. The 95UCL provides reasonable confidence that the true site average will not be underestimated (USEPA, 1992). According to USEPA (1989) and DTSC (2015), site characterization and evaluations should use the 95UCL for COPCs unless the 95UCL exceeds the maximum detected concentration, in which case the maximum detected concentration should be used as the upper limit exposure concentration. The 95UCL can exceed the maximum detected concentration for several reasons, including small sample sizes and large sample variances.

In accordance with USEPA (1992) and DTSC (2015) guidance, the maximum detected concentration or the 95UCL concentrations were used here as representative soil concentrations.

3 EXPOSURE ASSESSMENT

California health and environmental protection agencies recommend the remediation of chemical-impacted soil if the chemicals are found to represent a threat to human health and the environment. Similarly, environmental cleanup has to be conducted to the extent that the threat posed by the release is reduced to acceptable levels. The purpose of this HHRA was to evaluate if man-made chemicals detected in soil and soil vapor at the site represent a threat to human health.

3.1 Conceptual Site Model

A Conceptual Site Model (CSM) shows potentially complete exposure pathways for a given environmental source. The CSM identifies potential chemical sources, release mechanisms, transport media, routes of chemical migration through the environment, exposure media, and potential receptors. The CSM that defines potential exposures for future onsite and offsite receptors are presented in Figure 3. The following paragraphs define the exposure pathways evaluated in this HHRA and the rationale for their inclusion or elimination from consideration.

3.2 Potential Receptors

Plans exist to develop the site into a paved train platform for the Riverside Metrolink Station. The majority of the site will be an open air parking lot. As planned, there will be an elevator tower to connect to an overhead pedestrian crossing. There will be no habitable buildings or buildings of any kind at the site. Improvements such as canopies, wind guards, light stanchions may be added in the future. Under these conditions, the potential receptors at the site are construction/maintenance workers whom may come in contact with soil while doing earth-moving activities or during construction and installation of subsurface structures and utility lines.

Exposure pathways evaluated for onsite workers include the incidental ingestion of soil, dermal contact and inhalation of vapors and soil particulates (Figure 3). Default exposure parameters that define the construction/maintenance workers are presented in Table 6.

It can be said that offsite residential populations located in the neighboring communities could be exposed to chemicals vapors released from chemicals trapped in the subsurface of the site. While inhalation exposures at the neighboring locations are expected to be substantially less than those estimated for onsite workers, their potential exposures were evaluated in this HHRA. Default exposure parameters that define offsite residential receptors are presented in Table 7.

3.3 Soil and Dust Exposure Point Concentrations

Exposure to non-volatile chemicals may occur via inhalation of fugitive dust. Inhalation exposure to non-volatile compounds is typically minor in fugitive dust when compared to direct ingestion exposure (USEPA, 2001). Nevertheless, a relationship must be estimated between the chemical concentration in soil and the concentration in air due to fugitive dust emissions from surface soil.

The potential dust and particle emissions from the site were estimated using an approach recommended by the USEPA (2001) and DTSC (2019) for screening risk evaluations. The approach is based on the use of a default particulate emission factor (PEF). The PEF represents an annual average dust emission rate based on typical construction activities and wind erosion. The default PEF recommended in California for construction worker and non-intrusive workers are 1.0E+06 m^3/kg and 1.32E+09 m^3/kg, respectively (DTSC 2019). This default PEFs were used in this HHRA to estimate ambient air chemical concentrations that may result from soil disturbances caused by construction or maintenance activities.

3.4 Vapor Inhalation of Chemicals in Outdoor Air

VOCs were detected in soil and soil gas under the Site. Potential vapor emissions from each source (i.e., soil or soil gas) were evaluated separately. For VOCs detected in soil it was assumed that VOCs would volatilize during earth-moving activities and the only receptors would be future

onsite construction and maintenance workers. For VOCs detected in soil gas it was assumed that those VOCs could escape subsurface confinement, flow to outdoor air and from there impact ambient air including air within the neighboring residential areas. Potential receptors of soil gas VOCs would be future visitors to the Site or residents at neighboring residential areas. Since visitors are expected to be at the site for only a few minutes a day, their exposures are considered to be insignificant. For this reason, only the offsite residential receptors are evaluated in this HHRA.

3.4.1 Vapor Inhalation of Chemical in Outdoor Air

For VOCs detected in soil it was assumed that VOCs would volatilize during earth-moving activities and the only receptors would be future onsite construction and maintenance workers. For VOCs detected in soil vapor it was assumed that those VOCs could escape subsurface confinement, flow to outdoor air and from there impact ambient air including air within the neighboring residential areas. Potential receptors of soil vapor VOCs would be future visitors to the site or residents at neighboring residential areas. Three 8 hour shifts of security guards will be present on the site operating each day. Since visitors are expected to be at the site for only a few minutes a day, their exposures are considered to be insignificant. For this reason, only the offsite residential receptors are evaluated in this HHRA.

3.4.2 Vapor Emissions from VOCs Detected Soil

Screening-level emission estimation methods were used to predict potential outdoor air chemical concentrations that may result from the flux of chemical vapors potentially released from soil gas sources detected under the parking lot at the site. The estimated flux and outdoor air concentrations were then used to estimate potential health risks that may result from exposures that could occur at the parking lot.

The potential migration of vapors from soil to outdoor air was estimated using the volatilization factor (Equation 8: *Derivation of the VF*), as presented in Section 2.5.2 of the *Soil Screening Guidance* (EPA, 2001). The dispersion part of the VEF equation includes a dispersion coefficient (Q/C) in units of grams per square meter-second per kilogram per cubic meter (g/m^2-s per kg/m^3). For this site, the Q/C value of 43.09 g/m^2-s per kg/m^3 was selected as the inverse of the mean concentration at the center of a 7.5-acre square source in Los Angeles, California (EPA, 2001). The PEF is used in this evaluation to estimate inhalation exposures to VOCs at the site. The estimated volatilization factors used in the evaluation are presented in Table 8.

3.4.3 Vapor Emissions from VOCs Detected Soil Vapor

Since VOCs were detected in soil vapor, this HHRA assumed that a potential source of VOCs exists under the site. It was also assumed that this potential VOC source would be active for the next 26 years and that VOC vapors may migrate up to the surface and then disperse in outdoor air. Outdoor vapors could migrate and impact ambient air at neighboring residential areas. The onsite VOC source was assumed to contain and produce the VOCs that were identified in soil vapor at the site. Thus, the volatilization and flux into offsite residences was considered to be a potential exposure pathway and is evaluated in this HHRA.

For this assessment, it was assumed that the site would remain a paved train station platform into the foreseeable future. Under these conditions, visitors and offsite residents may be exposed to VOC vapors released from soil vapor sources.

Maximum detected soil vapor concentrations detected under the site are summarized in Table 5. For purposes of this evaluation, it was assumed that the maximum VOC concentration detected under the site represent the VOC fraction that would be migrating to the surface.

Potential migration of vapors from soil vapor to outdoor air was estimated using the Shen model as recommended by the USEPA (1988). This model was selected because it provides the maximum vapor flux that can be expected from volatile chemicals in soil vapor. The Shen model assumes that the source of vapors is non-diminishing and continuous. However, it is known that the VOC pool in soil vapor is constantly being reduced by volatilization and reaction with soil chemicals. The mathematical expression of the Shen model is:

$$Fi = \frac{Di \cdot Cs \cdot Pt^{\frac{4}{3}}}{d}$$

Where:

F = Flux of component i, in micrograms per centimeter squared per second ($ug/cm^2/sec$)

Di = Chemical diffusion coefficient in air, in centimeters squared per second (cm2/sec)

Cs = Soil-vapor concentration, in micrograms per cubic centimeter (ug/cm3)

Pt = Total soil porosity, unitless

d = Depth to vapor source, in centimeters (cm)

Chemical-specific diffusion coefficients were obtained from the VLOOKUP table of the Johnson and Ettinger model. The distance below ground surface to top of vapor source (d)

was assumed to be equal to the shallowest sampling depth of 5 feet. All input parameters and equations used in the volatilization modeling are shown in Table 9. The maximum VOC flux rates, as predicted by the Shen model, are also shown in Table 9. The estimated VOC vapor flux provided the basis for estimating air concentrations in outdoor air as described below.

A simple atmospheric dispersion model, commonly called a box model, is frequently used to estimate ambient air concentrations of chemicals at locations close to the sources of the chemical emissions. A box model is a simple mass balance equation that uses the concept of a theoretically enclosed space or box over the area of interest. The model assumes the emission of compounds into a box, with their removal rate from the box being proportional to wind speed. Airborne concentrations for this enclosed space can then be calculated and used as the ambient air chemical concentration. The exposure concentration in the theoretical box is calculated using the following equation:

$$Co = \frac{Fi \bullet L}{u \bullet h}$$

Where:

Co = Chemical concentration inside box, ug/m3

L = Downwind length of box, cm

u = Wind speed, cm/sec

h = Height of the box, cm

A wind speed of 412 centimeters per second (8.0 knots) was used. This wind speed is the average wind speed for calm, typical days in the Los Angeles area. The downwind length of the box was assumed to be roughly equal to the length of the site, reported to be 22.22 meters (729 feet). The height of the box was assumed to be 6.10 meters (20 feet). This height was selected to cover the height of most residential buildings. The parameters and results obtained from the box model are presented in Table 9. The outdoor air VOC concentrations obtained from the box model were used to calculate uptake via inhalation for potential receptors within the neighboring residential areas.

4 TOXICITY ASSESSMENT

In order to evaluate the potential adverse effects associated with exposure to chemicals, the relationship between the dose of each chemical and the incidence of or potential for an adverse health effect in an exposed population should be evaluated. This is known as dose-response assessment and is based on data collected from animal studies and theoretical precepts about what might occur in humans.

This risk assessment considers both carcinogenic and non-carcinogenic health effects associated with chemical exposures based on dose-response criteria published by various regulatory agencies.

In this assessment, chronic toxicity criteria were selected in accordance with the DTSC Regulation "Toxicity Criteria for Human Health Risk Assessment" (effective 9/4/18) (https://dtsc.ca.gov/LawsRegsPolicies/Regs/Toxicity-Criteria-for-Human-Health-Risk-Assessment.cfm). The sources of toxicity information included:

- DTSC HERO HHRA Note 10 Toxicity Criteria (DTSC, 2019).
- USEPA Regional Screening Levels tables (USEPA, 2018a).
- USEPA's Integrated Risk Information System (IRIS; USEPA 2018b)

4.1 Non-Carcinogenic Dose- Response Criteria

It is widely accepted that most biological effects of chemical substances occur only after a threshold dose is reached. For the purpose of establishing non-carcinogenic criteria levels, this threshold dose is usually derived from either the no observed adverse effect level (NOAEL) or the lowest observed adverse effect level (LOAEL), as determined in chronic animal exposure studies. The NOAEL is defined as the highest dose at which no adverse effects occur, while the LOAEL is defined as the lowest dose at which adverse effects begin to appear. NOAELs and LOAELs are used by the USEPA to establish reference doses (RfDs) for acceptable levels of human intake.

A RfD is the dose of a chemical that is not expected to cause adverse health effects over a lifetime of daily exposure in the most sensitive population. Uncertainty factors are used to set RfDs, representing an attempt to account for limitations in the quality or quantity of available data. Most RfDs include a 100-fold safety factor that is based on 1) a factor of 10 to account for uncertainties in extrapolating animal data to human health effects, and 2) another 10-fold safety factor to account for differences in sensitivity within the human population. Furthermore, if an available database is incomplete, or if the involved chemical is persistent or bioaccumulative, additional 10-fold safety factors may be applied. Reference doses for the COPCs are compiled in Table 10.

For inhalation exposures, a reference concentration (RfC) is an exposure concentration in air that is not expected to cause adverse health effects over a lifetime of daily exposure in the most sensitive population. RfCs used in this evaluation to estimate inhalation health hazards are presented in Table 10.

4.2 Carcinogenic Dose- Response Criteria

The currently accepted regulatory approach assumes that all potentially carcinogenic chemicals should be treated as if they do not have thresholds. This regulatory approach, which was used to evaluate carcinogenic risks for this assessment, assumes that the dose-response curve for carcinogens allows for zero risk at zero dose (i.e., for all doses, some cancer risk is assumed to be present). Since animal testing is performed at relatively high doses for the purposes of eliciting a carcinogenic response, various mathematical models are used to estimate the theoretically plausible response at low doses. The accuracy of the projected risk depends on how well the model predicts the true relationship between dose and risk at levels where this relationship cannot actually be measured.

Health risks for exposures to carcinogens are defined in terms of probabilities. The probabilities quantify the likelihood of a carcinogenic response in an individual that receives a given dose of a particular compound. These probabilities are calculated based on the potential dose and the carcinogenic slope factor (SF) for a specific chemical.

The SF, which is expressed in units of inverse milligrams per kilogram-day $(mg/kg\text{-}day)^{-1}$, is the 95 percent upper confidence limit of the probability of carcinogenic response per unit daily intake of a chemical over a lifetime. The SF multiplied by the lifetime average daily intake of the chemical (dose) provides an estimate of the 95 percent upper confidence limit of the theoretical cancer risk for the specific dose. The SFs used in this risk assessment to estimate carcinogenic dose-assessment risks are presented in Table 10.

For inhalation exposures, cancer risks are calculated based on the potential exposure concentration and the inhalation unit risk (IUR) for a chemical. The IUR, which is expressed in units of inverse micrograms per cubic meter $(ug/m^3)^{-1}$, is the 95% upper confidence limit (UCL) of the probability of carcinogenic response per unit daily exposure to a given chemical concentration over a lifetime. The IUR multiplied by the lifetime exposure concentration of the chemical provides an estimate of the 95% UCL of the theoretical cancer risk for the specific chemical. The IURs used in this evaluation to estimate inhalation cancer risks are presented in Table 10.

5 RISK CHARACTERIZATION

Risk characterization combines information obtained in the exposure assessment and fate and transport modeling with toxicological parameters to obtain an estimate of potential health effects. Risk characterization is conducted in two distinct steps. First, quantification of the daily intake (dose) of the chemical is estimated. Intake assumptions including absorption and bioavailability factors, frequency and duration of exposure, age of receptor, body weight, and exposure rates are used to calculate the dose. The second step in the risk characterization process compares the estimated daily dose to cancer potency factors and reference doses to obtain an estimate of potential health risks and hazards.

5.1 Average Daily Dose / Lifetime Daily Dose

This section discusses the methods used to quantify the average daily dose (ADD) of COPCs that may be received by the potential receptors from the ingestion, dermal contact, and inhalation of chemicals detected in soil and soil vapor at the site. An ADD is calculated to estimate non-carcinogenic health hazards. A lifetime daily dose (LDD) is calculated to obtain the potential lifetime doses of carcinogenic chemicals that are received by the potential receptors.

The general equation used to estimate the average daily dose through ingestion and dermal contact is:

$$ADD = \frac{CR \bullet EPC \bullet CF \bullet EF \bullet ED}{BW \bullet AT \bullet 365}$$

Where:

ADD = Average daily intake (mg/kg/day)

CR = Contact rate; the amount of medium contacted per unit of time or event (e.g., soil ingestion rate [mg/hour])

EPC = Exposure point concentration (e.g., mg/kg soil or mg/m3 vapor or airborne dust particles)

CF = Unit conversion factor (e.g., 1E-06 kg/mg)

EF = Exposure frequency (days/year)

ED = Exposure duration (years)

BW = Body weight (kg)

AT = Averaging time (years)

The LDD is estimated using the same equation. The only difference is that the averaging time (AT) is assumed to be a human average lifetime (70 years).

The potential inhalation exposures were calculated using the following equation (USEPA, 2009):

$$EC = \frac{CA \bullet ET \bullet EF \bullet ED}{AT}$$

Where:

EC	=	Exposure concentration, ug/m^3
CA	=	Chemical concentration in air, ug/m^3
ET	=	Exposure time, hours/day
EF	=	Exposure frequency, days/year
ED	=	Exposure duration, years
AT	=	Averaging time, hours (used the equivalent of 70 years for carcinogens and same value as ED for non-carcinogens).

As the parameters used in this HHRA involve either construction/maintenance workers or offsite residential receptors, default parameters that approximate typical exposure conditions were used (Tables 6 and 7).

5.2 Non-Carcinogenic Health Hazards

For exposures through the oral and dermal pathways, noncarcinogenic chemical doses were estimated and compared to the chemical-specific RfDs presented in Table 10. A ratio of the dose to RfD was calculated to derive a hazard quotient (HQ), as shown below.

$$HQ = \frac{ADD}{RfD}$$

Where:

HQ = Hazard quotient; ratio of estimated dose to reference dose (unitless)

ADD = Estimated dose for noncarcinogenic chemicals (mg/kg-day)

RfD = Chronic reference dose for chemical (mg/kg-day)

The HQs for each chemical and the exposure pathways were summed to estimate the hazard index (HI) for each receptor, as follows:

$$HI = \sum_{n}^{1} HQ_i$$

Where:

HI = Hazard index, unitless

HQi = as defined above, unitless

For inhalation exposures, the evaluation of non-carcinogenic health hazards began with a calculation of the hazard quotient or HQ for each chemical. The HQ is defined as the ratio of the exposure concentration (EC) to the reference concentration (RfC). The HQ can be expressed according to the following equation:

$$HQ = \frac{EC}{RfC}$$

Where:

HQ = Hazard quotient, unitless

EC = Exposure concentration, ug/m^3

RfC = Reference concentration, ug/m^3

The estimated HIs are compared to an acceptable hazard level. Implicit in the HI is the assumption of a threshold level of exposure below which no adverse effects are expected to occur. For example, if the HI exceeds unity (because site-specific exposure exceeds the RfD), then the potential for noncancer adverse effects may exist. In general, the greater the value above 1.0, the greater the potential hazard. In contrast, HIs of less than 1.0 indicate that no adverse health effects are expected to occur from exposure to chemicals at the site.

Using the maximum chemical concentrations detected in soil at the Subject Property, the total hazard indices estimated here were:

- 7 for future onsite construction workers (Table 11);
- 0.1 for future onsite maintenance workers (Table 11); and,
- 0.006 for future offsite residential receptors (Table 12).

The HI estimated for future construction workers exceeds the acceptable benchmark value of 1.0. The chemical responsible for the exceedance is arsenic (Table 11) and the exposure pathway that may be most critical for construction workers is the ingestion of soil. Supporting calculations presented in Tables A-1 through A-4 of Appendix A.

It should be noted that soil and soil gas in samples collected from locations B16 and B18 had elevated Sample Quantitation Limits (SQLs; Tables 4 and 5). Due to matrix interference at the analytical laboratory, the detection limits for most chemicals were highly elevated. In an effort to account for possible elevated chemical concentrations in the samples with elevated SQLs the risk calculations were also conducted using the maximum SQLs for analytes that were reported as non-detect. Table 11A presents the cumulative cancer risk and Hazard Index using the maximum SQLs of COPCs reported in soil as non-detects due to elevated analytical SQLs. Similarly, Table 12A presents the cumulative cancer risk and Hazard Index using the maximum SQLs of COPCs reported in soil vapor as non-detects due to elevated analytical SQLs. The individual contribution of each analyte with elevated SQLs to the total risks and hazards is discussed in Section 6.0 below.

5.3 Soil Lead Exposure Assessment

Given the unique toxicological and pharmacological properties of lead, the Hazard Index method is inappropriate for this chemical. Instead, blood-lead levels that may result from exposure to lead-containing soil are calculated. In this case, the EPA's Adult Lead Model (obtained through DTSC's Leadspread Model, version 8.0) was used to calculate blood-lead levels for hypothetical adult workers at the site. The estimated blood-lead levels were then compared against target blood-lead levels established by the DTSC. The DTSC has indicated that blood-lead levels lower than 1.0 micrograms per deciliter (ug/dl) are protective of the general population.

Based on the maximum soil lead concentration of 430 mg/kg (Table 1A), the Adult Lead Model predicted an upper-level blood lead concentration of 0.7 ug/dl (Appendix C). This value is below the acceptable target blood lead level of 1.0 ug/dl. A copy of the Adult Lead Model used in the evaluation is included in Appendix C.

5.4 Cancer Risk Estimates

This section discusses the calculation of the lifetime dose estimate and resulting carcinogenic risks from exposures to COPCs detected at the site.

Cancer risks are expressed as the upper-bound, increased likelihood of an individual developing cancer as a result of exposure to a particular chemical. For example, a cancer risk of 1E-04 refers to an upper-bound increased chance of one in ten thousand of developing cancer over a lifetime

(0.01 percent risk). The potential increase in cancer risk from exposure to the chemicals detected in soil at the site is in addition to a background risk of Americans developing cancer. The background risk is one chance in three (0.3 or 3E-01) for every American female, and one chance in two (0.5 or 5E-01) for every American male, of eventually developing cancer (ACS, 2017). The chemical-specific exposure estimates (i.e., the lifetime average daily dose or LADD) are multiplied by the chemical- and route-specific slope factor to arrive at a unitless probability (e.g., 1E-05) of an individual developing cancer.

For oral and dermal exposures, the LDD estimated for each COPC represents the estimated amount of chemical absorbed daily over a lifetime. The LDD is used to calculate a carcinogenic risk as follows:

$$CR = LDD \bullet SF$$

Where:

CR = Upperbound excess lifetime carcinogenic risk (unitless)

LDD = Lifetime Daily Dose (mg/kg/day)

SF = Slope factor (mg/kg/day)-1

For inhalation exposures, cancer risks were calculated in accordance with DTSC (2015) and USEPA (1989) guidelines.

$$Risk = EC \bullet IUR$$

Where:

Risk = Upper bound incremental lifetime carcinogenic risk, unitless

EC = Exposure concentration, ug/m^3

IUR = Inhalation unit risk, (ug/m^3)$^{-1}$

The estimated excess cancer risks were compared to the risk level considered acceptable by federal and state regulatory agencies. The target cancer risk level identified by the DTSC (1999) in the PEA Guidance Manual is one in one million (1.0E-06). However, the USEPA has established

acceptable incremental cancer risk levels to be within the risk range of one in 10,000 (1.0E-04) and 1.0E-06; risks greater than 1.0E-04 are generally considered unacceptable. Cal-EPA has defined a risk of one in 100,000 (1.0E-05) as the "no significant level" for carcinogens under California's Safe Water and Toxic Enforcement Act (Proposition 65). Further, most California air districts use the 1.0E-05 risk level as the notification trigger level under California's AB2588 Toxic Hot Spots Program. Thus, an estimated incremental cancer risk of 1E-05 was considered to be acceptable for occupational receptors in this HHRA

Using the maximum chemical concentrations detected in soil and soil vapor at the site, the incremental cancer risk that may result from exposure to site-related chemicals are:

- 3E-06 for future onsite construction workers (Table 11);
- 9E-07 for future onsite maintenance workers (Table 11); and,
- 1E-07 for future offsite residential receptors (Table 12).

The estimated cancer risks for future construction and maintenance workers are within levels considered acceptable for occupational exposures in accordance with Proposition 65. The estimated cancer risk for offsite residential receptors is within levels considered acceptable for residential receptors in accordance with DTSC 2015 guidance. Supporting calculations presented in Tables A-5 through A-8 of Attachment A

6 UNCERTAINTY ANALYSIS

It should be noted that the HHRA was based on conservative (health-protective) assumptions, estimates, models, and parameters. Therefore, the results are not absolute estimates of health risks at the site but are health-protective estimates. Because exposure point concentrations were derived from fate and transport modeling, conservative assumptions and methodology were necessarily employed to eliminate the possibility of underestimating risks. This practice, although commonly used in the risk assessment process to eliminate the possibility of underestimating risk, necessarily introduces a significant level of conservatism in the conclusions derived from the assessment. Examples of some of the conservatism in this assessment include:

- Carcinogenic risks for maintenance workers were based on an exposure duration of 250 days per year for 25 years. A more realistic exposure scenario would be to assume an exposure frequency of less than 50 days per year for a duration of no more than 10 years. The site will be capped and used as a parking for the adjoining train station platform. This type of land use requires very little, if any, maintenance. Exposure duration for future onsite maintenance workers should be minimal.

- Toxicity values used in risk assessments present overestimates of the potential toxicity of chemicals to humans. Assumptions used to develop toxicity values include the addition of safety factors to account for uncertainties associated with extrapolating high doses to low

doses to account for uncertainties associated with the use of laboratory animal studies to assess potential toxicity to human receptors.

- The assumption that offsite residents will be exposed to chemicals in air as if those residences were located at the site. We know air dispersion and dilution will reduce chemical concentrations in an inverse proportion to the distance from the site. Results of this HHRA indicate that chemical concentrations in ambient air at the site will be very low and at levels that do not pose a significant health risk to offsite receptors.

Additional sources of uncertainty specific to this HHRA are the unknown chemical concentrations in soil and soil gas in samples collected from locations B16 and B18. Due to matrix interference at the analytical laboratory, the detection limits for most chemicals were highly elevated. The analytical data collected from the two samples do not meet the data quality objectives required for a risk assessment (EPA, 1993). Since the data do not meet data quality objectives, DTSC (2015) and EPA (2019) risk assessment guidance mandate that we do not include such data in a formal risk evaluation. At the request of the DTSC (on January 23, 2020), Ninyo & Moore has evaluated potential risks posed by chemicals with questionable detection limits. Specifically, chemicals reported as non-detected or chemicals whose reported detection limit was higher than the maximum detected concentration were evaluated separately. The objective of this alternate evaluation was to assess whether each individual chemical detected in the two samples could pose a health risk assuming each chemical were to be found in soil, or soil gas, at a concentration equal to the reported detection limit. For this alternate evaluation cancer risks and hazards posed by each chemical were evaluated using the same methodology, assumptions and parameters as described above for all detected chemicals. Results of the additional evaluation for samples B16 and B18 are summarized below:

- Results of the alternate evaluation for chemicals detected in soil are presented in Table 13. The only chemical in soil with estimated cancer risks exceeding acceptable levels was benzidine. All other chemicals evaluated had detection limits that were within acceptable levels. Other than benzidine, all estimated cancer risks were below 1E-05 and hazard indices were all below 1. It should be noted benzidine is highly toxic and has not been made for sale in the United States since the mid-1970s. Benzidine is no longer used in medical laboratories or in the rubber and plastics industries. In the past, benzidine entered the environment largely when it was being made or used to produce dyes. For the most part, companies no longer make or use benzidine, and the government strictly regulates these activities. Today, most benzidine still entering the environment probably comes from waste sites where it had been disposed. Based in this information, it is highly unlikely that residual, high levels of benzidine could be present at the site.

- Results of the alternate evaluation for chemicals detected in soil gas are presented in Table 14. The only chemical in soil gas with estimated cancer risks exceeding acceptable levels was 1,2-dibromo-3-chloropropane (DBCP). All other chemicals evaluated had detection limits that were within acceptable levels. Other than DBCP, all estimated cancer risks were below 1E-05 and hazard indices were all below 1. Until 1977, DBCP was used as a soil fumigant and nematocide on over 40 different crops in the United States. It was used to control pests that attack the roots of fruit trees. From 1977 to 1979, the USEPA suspended registration for all DBCP-containing products except for use on pineapples in Hawaii. Shortly

after 1985, the USEPA prohibited the use of DBCP in agriculture. Based in this information, it is highly unlikely that residual, high levels of DBCP could be present at the site.

7 CONCLUSIONS AND RECOMMENDATIONS

The HHRA presented in this report evaluated the potential health risks posed by the presence of man-made chemicals in soil and soil vapor at the site. After reviewing the available soil and soil vapor data, it was determined that the current composition as well as the vertical and lateral extent of environmental media impacts have been evaluated for the site.

The potential receptors that may come in contact with impacted soils are construction/ maintenance workers whom may be engaged in earth-moving or trenching activities. The following exposure pathways were considered complete for construction/ maintenance workers: incidental soil ingestion, dermal contact, particulate dust inhalation and outdoor vapor inhalation. The offsite receptors evaluated in this HHRA were the neighboring residential receptors. These receptors were assumed to be exposed to vapors flowing from the site and impacting ambient air. Offsite receptors were assumed to be exposed only through the inhalation pathway. All chemicals detected at the site at concentrations deemed to be the result of human activity were included in this HHRA.

Results of the HHRA indicate that exposure to chemicals detected in soil could carry a potential cancer risk of no more than three cancer cases in an exposed population of one million people (3E-06). This estimated incremental cancer risk is equivalent to the increased likelihood of three in a million that an individual would develop cancer when exposed to site-specific contaminants in addition to being exposed to contaminants naturally present in the environment.

The estimated incremental cancer risk is considered low when one considers the background risk of Americans developing cancer. The background risk is one chance in three (0.3 or 3E-01) for every American female and one chance in two (0.5 or 5E-01) for every American male. Cancer risks estimated in this HHRA are also within levels considered acceptable for occupational exposure scenarios by the California Environmental Protection Agency.

Results of the HHRA indicate that arsenic in soil may be found at concentrations that may pose a potential health hazard to construction workers. Based on these results, it is recommended that a Soil Management Plan be prepared which provides precautions to be taken to minimize dust and vapor generation and exposure during earth moving and construction activities. Construction workers must be made aware of the health risks posed by excessive dust and vapor inhalation while conducting earth-moving activities and the appropriate personal protective equipment they

must wear to minimize exposures. Construction workers shall not participate in field activities until they have been trained to the level required by their job function and responsibility. The specific types of training required include orientation training for new employees, basic training for first-time workers, supervisor training, advanced training, site-specific training, first aid, and refresher training.

During grading operations, construction workers should have completed at a minimum 40-hour Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) training and be current with respect to annual refresher training prior to working at the site. This will include personnel who will be involved with activities where contaminated soils are likely to be encountered. Equipment operators for scrapers, backhoes, excavators with an enclosed cabin are exempt from this requirement. Training content shall be as specified in 29 Code of Federal Register (CFR) 1910.120 (e) and 8 California Code of Regulations (CCR) 5192 (e). At a minimum, construction work must be conducted under a Health and Safety Plan in accordance with applicable sections of 29 CFR 1910.120 and CCR Title 8, CCR Section 5192.

The risk and hazard calculations assumed multiple exposures to chemicals via incidental soil ingestion, dermal contact and inhalation of outdoor and indoor vapors. The results are based on multiple health-protective assumptions. For example, it was assumed that a VOC reservoir is located under the site and that this VOC reservoir is large and strong enough to continuously release VOC vapors for up to 26 years. However, no VOC reservoir is known to exist under the site.

The conclusions and recommendations presented in this report are based on reported chemical concentrations and the proposed future land use of the site. In this risk assessment, fate-and-transport models, parameters, toxicity data and assumptions were applied in accordance with federal and state regulatory guidelines. These guidelines are meant to protect the public and tend to overestimate potential health risks. As such, this risk assessment provides an estimate of the upper boundary of potential health risks, rather than an accurate representation of true health risks posed by the site.

8 LIMITATIONS

The conclusions and recommendations presented in this report are professional opinions based solely upon the data described in this report. They are intended exclusively for the purpose outlined herein and the property's location and project indicated. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of users other than

the RCTC, DTSC or regulatory agencies. Any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

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TABLES

Table 1 – Soil Sample Analytical Results – Metals

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 6010B/7471A (mg/kg)													
			Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Thallium	Vanadium	Zinc	Mercury
B1-0.5'	7/18/2019	0.5	ND<3	ND<1	99.3	ND<0.5	17.2	8.19	13.5	12.8	ND<1	10.3	ND<3	34.0	43.3	ND<0.14
DUP-1 [B1-0.5']	7/18/2019	NA	ND<3	ND<1	82.7	ND<0.5	15.9	5.67	11.1	11.4	ND<1	10.6	ND<3	30.4	44.5	ND<0.14
B1-5'	7/18/2019	5	ND<3	ND<1	196	1.12	18.0	12.3	12.2	6.22	ND<1	11.2	ND<3	48.6	58.0	ND<0.14
B2-0.5'	7/18/2019	0.5	3.44	5.85	72.4	2.70	8.27	7.62	13.7	155	ND<1	52.2	ND<3	48.2	1,260	0.25
B2-5'	7/18/2019	5	ND<3	3.68	117	0.56	15.4	8.14	9.60	5.11	ND<1	9.56	ND<3	37.6	44.6	ND<0.14
B3-0.5'	7/18/2019	0.5	ND<3	4.86	99.4	0.68	17.6	6.90	48.0	23.3	ND<1	12.5	ND<3	32.7	59.7	ND<0.14
B3-5'	7/18/2019	5	ND<3	7.87	64.4	0.50	19.8	6.68	26.6	148	ND<1	7.67	ND<3	30.6	106	1.23
B3-10'	7/18/2019	10	--	--	--	--	--	--	--	14.1	--	--	--	--	--	--
B4A-0.5'	7/18/2019	0.5	ND<3	4.56	89.8	0.86	21.2	9.51	127	43.1	1.97	17.5	ND<3	33.9	138	ND<0.14
B4A-5'	7/18/2019	5	ND<3	ND<1	160	0.74	19.0	13.4	27.3	7.59	ND<1	11.5	ND<3	52.8	68.0	ND<0.14
B5-0.5'	7/18/2019	0.5	ND<3	4.19	72.2	ND<0.5	16.8	7.79	10.6	5.65	ND<1	9.68	ND<3	33.1	33.7	ND<0.14
B5-5'	7/18/2019	5	ND<3	3.64	80.8	0.92	20.6	10.3	15.0	11.9	1.25	12.8	3.15	34.2	42.6	ND<0.14
B6-0.5'	7/17/2019	0.5	ND<3	1.98	61.5	ND<0.5	11.1	5.89	11.1	6.5	ND<1	7.58	ND<3	24.5	44.5	ND<0.14
B6-5'	7/17/2019	5	ND<3	1.28	87.9	ND<0.5	10.6	7.13	7.38	2.82	ND<1	6.3	ND<3	27.5	35.6	ND<0.14
B7-0.5'	7/17/2019	0.5	ND<3	2.86	52.4	ND<0.5	12.8	6.01	13.3	10.1	ND<1	8.76	ND<3	30	43.2	ND<0.14
B7-5'	7/17/2019	5	ND<3	6.64	108	0.7	24.8	8.88	20.6	66.7	2.2	12.3	ND<3	33.8	89.8	ND<0.14
B8-0.5'	7/17/2019	0.5	ND<3	3.66	196	0.62	23.8	15.1	17.6	8.4	ND<1	16.8	ND<3	56.2	80.6	ND<0.14
B8-5'	7/17/2019	5	ND<3	4.52	70.3	ND<0.5	16.6	9.76	29	19.4	2.08	10.3	ND<3	31.7	60.6	ND<0.14
B9-0.5'	7/19/2019	0.5	ND<3	ND<1	115	0.90	26.2	13.5	15.1	8.30	ND<1	17.2	ND<3	48.8	58.8	ND<0.14
B9-5'	7/19/2019	5	ND<3	3.41	105	0.56	14.5	9.11	10.0	4.91	ND<1	9.15	ND<3	34.9	44.8	ND<0.14
B10-0.5'	7/19/2019	0.5	9.34	5.09	124	1.14	22.2	11.2	106	430	ND<1	15.6	ND<3	47.6	98.9	ND<0.14
B10-5'	7/19/2019	5	ND<3	2.64	84.9	0.54	13.7	9.24	10.3	6.08	ND<1	8.66	ND<3	32.5	43.0	ND<0.14
B11-0.5'	7/19/2019	0.5	ND<3	14.8	132	1.24	24.5	14.0	72.6	50.3	ND<1	19.3	ND<3	46.3	131	ND<0.14
B11-5'	7/19/2019	5	ND<3	4.01	126	0.83	21.4	12.8	17.2	7.55	ND<1	13.7	ND<3	52.2	60.7	ND<0.14
B13-0.5'	7/18/2019	0.5	ND<3	94.0	50.0	ND<0.5	13.8	7.36	16.4	27.0	ND<1	10.2	ND<3	30.9	119	ND<0.14
B13-1'	7/18/2019	1	ND<3	69.3	43.0	0.56	17.0	10.0	16.8	17.2	ND<1	13.8	ND<3	37.6	59.5	ND<0.14
B13-2'	7/18/2019	2	--	ND<1	--	--	--	--	--	--	--	--	--	--	--	--
B14-0.5'	7/18/2019	0.5	ND<3	64.2	57.0	0.62	21.5	8.80	17.0	27.9	ND<1	12.5	ND<3	35.3	55.7	ND<0.14
B14-1'	7/18/2019	1	ND<3	31.3	59.0	ND<0.5	19.9	8.83	11.9	10.8	ND<1	13.0	ND<3	37.8	42.8	ND<0.14
DUP-3 [B14-1']	7/18/2019	NA	ND<3	17.4	47.3	ND<0.5	17.5	9.42	10.8	4.74	ND<1	12.8	ND<3	36.9	41.3	ND<0.14
B14-2'	7/18/2019	2	--	ND<1	--	--	--	--	--	--	--	--	--	--	--	--
B15-0.5'	7/18/2019	0.5	ND<3	25.4	56.5	0.53	13.6	6.91	17.5	26.4	ND<1	9.59	ND<3	30.4	68.2	ND<0.14
B15-1'	7/18/2019	1	ND<3	4.45	52.8	ND<0.5	15.2	8.45	12.6	11.2	ND<1	11.7	ND<3	35.4	44.1	ND<0.14
B16-0.5'	7/17/2019	0.5	6.29	2.88	96.3	0.92	28.1	6.9	20	76.5	ND<1	8.7	ND<3	28.6	185	ND<0.14
B16-5'	7/17/2019	5	ND<3	2.9	137	ND<0.5	19.7	11.4	12.9	3.35	ND<1	13.2	ND<3	43.9	51.6	ND<0.14
B17-0.5'	7/17/2019	0.5	ND<3	3.1	127	1.12	29.4	11	38	56.7	ND<1	14.4	ND<3	44.8	470	ND<0.14
B17-5'	7/17/2019	5	ND<3	2.98	94.7	ND<0.5	15	9.39	10.3	3.04	ND<1	7.67	ND<3	41.6	43.3	ND<0.14

Table 1 – Soil Sample Analytical Results – Metals

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 6010B/7471A (mg/kg)													
			Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Thallium	Vanadium	Zinc	Mercury
B17-0.5'	7/17/2019	0.5	ND<3	3.1	127	1.12	29.4	11	38	56.7	ND<1	14.4	ND<3	44.8	470	ND<0.14
B18-0.5'	7/17/2019	0.5	ND<3	4.63	89.2	0.53	22.3	6.76	17	21.4	1.24	12.5	ND<3	32.6	96.3	ND<0.14
B18-5'	7/17/2019	5	ND<3	3.34	141	0.6	23.3	10.9	18.2	33.5	ND<1	11.9	ND<3	44.5	96.9	ND<0.14
B18-0.5'	7/17/2019	0.5	ND<3	4.63	89.2	0.53	22.3	6.76	17	21.4	1.24	12.5	ND<3	32.6	96.3	ND<0.14
B18-5'	7/17/2019	5	ND<3	3.34	141	0.6	23.3	10.9	18.2	33.5	ND<1	11.9	ND<3	44.5	96.9	ND<0.14
B19-0.5'	7/18/2019	0.5	ND<3	6.78	124	0.61	16.4	6.83	13.0	16.2	ND<1	9.93	ND<3	31.6	41.9	ND<0.14
B19-1'	7/18/2019	1	ND<3	7.60	78.9	0.56	21.9	7.34	17.8	20.1	ND<1	13.1	ND<3	30.4	41.8	ND<0.14
Maximum Detected Concentration			9.34	94	196	2.7	29.4	15.1	127	430	2.2	52.2	3.15	56.2	1260	1.23

Notes:

' feet

-- not analyzed

bgs - below ground surface

DUP - duplicate sample, listed immediately below its primary sample

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

mg/kg - milligrams per kilogram

NA - not applicable

ND< - not detected above the laboratory reporting limit

Table 2 – Soil Sample Analytical Results – TPHs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 8015B (mg/kg)		
			TPH as Gasoline (C6-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)
B1-0.5'	7/18/2019	0.5	ND<2.43	ND<50	260
DUP-1 [B1-0.5']	7/18/2019	NA	ND<2.94	ND<500	900
B1-10'	7/18/2019	10	ND>3	ND<10	ND<10
B1-20'	7/18/2019	20	ND<2.43	ND<10	ND<10
B2-15'	7/18/2019	15	ND<2.43	140	450
B2-25'	7/18/2019	25	ND<2.67	600	1,300
B3-0.5'	7/18/2019	0.5	ND<2.73	ND<50	380
B3-10'	7/18/2019	10	ND<2.82	13	84
B3-15'	7/18/2019	15	ND<3	ND<10	ND<10
B4A-5'	7/18/2019	5	ND<2.34	ND<10	ND<10
B4A-15'	7/18/2019	15	ND<3	ND<500	3,100
B4A-20'	7/18/2019	20	ND<3	ND<500	1,200
B5-0.5'	7/18/2019	0.5	ND<2.25	ND<10	12
B5-15'	7/18/2019	15	ND<2.46	ND<10	ND<10
B6-5'	7/17/2019	5	ND<2.64	ND<10	ND<10
B6-15'	7/17/2019	15	ND<3.06	ND<10	ND<10
B7-0.5'	7/17/2019	0.5	ND<2.49	ND<10	43
B7-10'	7/17/2019	10	ND<2.34	ND<10	11
B8-0.5'	7/17/2019	0.5	ND<3.03	ND<10	12
B8-20'	7/17/2019	20	ND<3.27	ND<10	ND<10
B9-0.5'	7/19/2019	0.5	ND<2.64	ND<10	11
B9-10'	7/19/2019	10	ND<3	ND<10	ND<10
B9-15'	7/19/2019	15	ND<3	ND<10	ND<10
B9-20'	7/19/2019	20	ND<2.88	ND<10	ND<10
B10-0.5'	7/19/2019	0.5	ND<2.64	ND<10	21
B10-5'	7/19/2019	5	ND<2.73	ND<10	ND<10
B10-15'	7/19/2019	15	ND<3	ND<10	ND<10
B11-0.5'	7/19/2019	0.5	ND<2.82	ND<10	15
B11-10'	7/19/2019	10	ND<3	ND<10	ND<10
B11-20'	7/19/2019	20	ND<3.57	ND<10	ND<10
DUP-4 [B11-20']	7/19/2019	NA	ND<2.67	ND<10	ND<10
B12-0.5'	7/19/2019	0.5	ND<2.49	ND<10	ND<10
B12-20'	7/19/2019	20	ND<2.79	ND<10	13
B13-0.5'	7/18/2019	0.5	ND<2.34	ND<10	ND<10
B13-1'	7/18/2019	1	ND<2.34	ND<10	ND<10
B14-0.5'	7/18/2019	0.5	ND<2.34	ND<10	10
B14-1'	7/18/2019	1	ND<2.28	ND<10	ND<10
DUP-3 [B14-1']	7/18/2019	NA	ND<2.37	ND<10	ND<10
B15-1'	7/18/2019	1	ND<2.13	ND<10	ND<10
B15-2'	7/18/2019	2	ND<2.04	ND<10	ND<10
B16-0.5'	7/17/2019	0.5	ND<2.28	140	310
B16-15'	7/17/2019	15	ND<2.79	ND<10	12
B16-25'	7/17/2019	25	ND<3	ND<10	15

Table 2 – Soil Sample Analytical Results – TPHs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	EPA Method 8015B (mg/kg)		
			TPH as Gasoline (C6-C12)	TPH as Diesel (C13-C22)	TPH as Heavy Hydrocarbons (C23-C40)
B17-0.5'	7/17/2019	0.5	ND<3.03	20	160
B17-15'	7/17/2019	15	ND<2.79	ND<10	12
B17-25'	7/17/2019	25	ND<3	ND<10	14
B18-5'	7/17/2019	5	ND<75	70	10
B18-10'	7/17/2019	10	6,900	ND<500	ND<500
B18-15'	7/17/2019	15	3.7	ND<10	ND<10
B18-25'	7/17/2019	25	6,100	75	ND<50
B19-1'	7/18/2019	1	ND<2.43	ND<500	680
B19-5'	7/18/2019	5	ND<2.31	ND<10	14
Maximum Detected Concentration			6,900	600	3,100

Notes:

' feet

bgs - below ground surface

DUP - duplicate sample, listed immediately below its primary sample

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

mg/kg - milligrams per kilogram

NA - not applicable

ND< - not detected above the laboratory reporting limit

TPHs - total petroleum hydrocarbons

Table 3 – Soil Sample Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260B (µg/kg)											
			Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	N-butylbenzene	Naphthalene	Sec-butylbenzene	Methylene chloride	Benzene	Xylenes (Total)	Tetrachloroethene	t-Butyl alcohol (TBA)
B1-0.5'	7/18/2019	0.5	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	5.1	ND<5	ND<5	ND<10
DUP-1 [B1-0.5']	7/18/2019	NA	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5
B1-10'	7/18/2019	10	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	8.4	ND<5	ND<5	ND<5	ND<10
B1-20'	7/18/2019	20	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7
B2-15'	7/18/2019	15	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B2-25'	7/18/2019	25	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B3-0.5'	7/18/2019	0.5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B3-10'	7/18/2019	10	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B3-15'	7/18/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B4A-5'	7/18/2019	5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B4A-15'	7/18/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	19	ND<5	ND<5	ND<5	ND<10
B4A-20'	7/18/2019	20	120	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	4.8	ND<8
B5-0.5'	7/18/2019	0.5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B5-15'	7/18/2019	15	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7
B6-5'	7/17/2019	5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B6-15'	7/17/2019	15	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11
B7-0.5'	7/17/2019	0.5	140	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B7-10'	7/17/2019	10	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B8-0.5'	7/17/2019	0.5	390	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<8.5	ND<17
B8-20'	7/17/2019	20	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B9-0.5'	7/19/2019	0.5	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11
B9-10'	7/19/2019	10	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B9-15'	7/19/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B9-20'	7/19/2019	20	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B10-0.5'	7/19/2019	0.5	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B10-5'	7/19/2019	5	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B10-15'	7/19/2019	15	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B11-0.5'	7/19/2019	0.5	140	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B11-10'	7/19/2019	10	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B11-20'	7/19/2019	20	ND<120	ND<6	ND<6	ND<6	ND<6	ND<6	ND<6	6.0	ND<6	ND<6	ND<6	ND<12
DUP-4 [B11-20']	7/19/2019	NA	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	4.2	ND<4	ND<4	ND<4	ND<8
B12-0.5'	7/19/2019	0.5	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B12-20'	7/19/2019	20	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B13-0.5'	7/18/2019	0.5	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B13-1'	7/18/2019	1	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7
B14-0.5'	7/18/2019	0.5	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B14-1'	7/18/2019	1	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
DUP-3 [B14-1']	7/18/2019	NA	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B15-1'	7/18/2019	1	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11
B15-2'	7/18/2019	2	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7

Table 3 – Soil Sample Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260B (µg/kg)											
			Acetone	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Isopropyltoluene	N-butylbenzene	Naphthalene	Sec-butylbenzene	Methylene chloride	Benzene	Xylenes (Total)	Tetrachloroethene	t-Butyl alcohol (TBA)
B16-0.5'	7/17/2019	0.5	ND<90	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B16-15'	7/17/2019	15	ND<80	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<4	ND<8
B16-25'	7/17/2019	25	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B17-0.5'	7/17/2019	0.5	940	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	13
B17-15'	7/17/2019	15	ND<110	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<5.5	ND<11
B17-25'	7/17/2019	25	ND<100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10
B18-5'	7/17/2019	5	ND<4,900	ND<245	ND<245	ND<245	ND<245	ND<245	ND<245	430	ND<245	ND<245	ND<245	ND<490
B18-10'	7/17/2019	10	ND<10,000	29,000	10,000	8,300	5,400	3,500	820	ND<500	ND<500	ND<500	ND<500	ND<1,000
B18-15'	7/17/2019	15	ND<120	15	ND<6	ND<6	ND<6	10	ND<6	ND<6	ND<6	ND<6	ND<6	ND<12
B18-25'	7/17/2019	25	ND<11,360	25,000	10,000	7,300	5,200	2,900	ND<568	1,600	ND<568	750	ND<568	ND<1,136
B19-1'	7/18/2019	1	97	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<9
B19-5'	7/18/2019	5	ND<70	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<7
Maximum Detected Concentration			940	29000	10000	8300	5400	3500	820	1600	5.1	750	4.8	13

Notes:

' feet

-- not analyzed

µg/kg - microgram per kilogram

bgs - below ground surface

DUP - duplicate sample, listed immediately below its primary sample

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

NA - not applicable

ND< - not detected above the laboratory reporting limit

VOCs - volatile organic compounds

Table 4 – Soil Sample Analytical Results – PCBs, OCPs, and SVOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	PCBs by EPA Method 8082 (µg/kg)	SVOCs / PAHs by EPA Method 8270C / 8270CM (ug/kg)												
				Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene Equivalents
B1-0.5'	7/18/2019	0.5	ND	ND<250	ND<250	630	390	870	380	ND<250	430	760	ND<250	ND<250	730	749
DUP-1 [B1-0.5']	7/18/2019	NA	ND	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND
B1-5'	7/18/2019	5	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
B1-10'	7/18/2019	10	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
B1-20'	7/18/2019	20	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	21	ND<10	ND<10	24	15	ND
B2-0.5'	7/18/2019	0.5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-5'	7/18/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
B2-15'	7/18/2019	15	--	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND
B2-25'	7/18/2019	25	--	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND
B3-0.5'	7/18/2019	0.5	ND	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	600	ND
B3-5'	7/18/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	ND
B3-10'	7/18/2019	10	--	ND<100	310	940	560	890	540	320	760	850	ND<100	160	930	1,117
B3-15'	7/18/2019	15	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
B4-0.5'	7/18/2019	0.5	20 (Aroclor-1260)	--	--	--	--	--	--	--	--	--	--	--	--	ND
DUP-2 [B4-0.5']	7/18/2019	NA	ND	--	--	--	--	--	--	--	--	--	--	--	--	ND
B4A-5'	7/18/2019	5	ND	ND<100	310	640	510	400	ND<100	290	510	510	ND<100	230	530	773
B4A-15'	7/18/2019	15	--	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	ND<2,000	2,300	ND
B4A-20'	7/18/2019	20	--	ND<1,000	ND<1,000	ND<1,000	ND<1,000	1,600	ND<1,000	ND<1,000	ND<1,000	1,000	ND<1,000	ND<1,000	ND<1,000	100
B5-0.5'	7/18/2019	0.5	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	17	ND<10	ND<10	18	12	ND
B5-5'	7/18/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	ND
B5-15'	7/18/2019	15	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	15	ND<10	ND<10	17	11	ND
B6-5'	7/17/2019	5	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B6-15'	7/17/2019	15	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B7-0.5'	7/17/2019	0.5	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND
B7-10'	7/17/2019	10	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B8-0.5'	7/17/2019	0.5	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B8-20'	7/17/2019	20	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B9-0.5'	7/19/2019	0.5	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B9-10'	7/19/2019	10	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
B9-20'	7/19/2019	20	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B10-0.5'	7/19/2019	0.5	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND
B10-5'	7/19/2019	5	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B11-0.5'	7/19/2019	0.5	--	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND<1,250	ND
B11-20'	7/19/2019	20	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
DUP-4 [B11-20']	7/19/2019	NA	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B12-0.5'	7/19/2019	0.5	42 (Aroclor-1254)	--	--	--	--	--	--	--	--	--	--	--	--	ND
B12-5'	7/19/2019	5	ND	--	--	--	--	--	--	--	--	--	--	--	--	ND
B13-0.5'	7/18/2019	0.5	ND	16	22	40	35	44	31	22	56	38	13	35	56	50
B13-1'	7/18/2019	1	ND	ND<10	14	24	21	24	18	13	39	20	11	29	39	30
B14-0.5'	7/18/2019	0.5	12 (Aroclor-1254)	ND<50	ND<50	ND<50	50	ND<50	ND<50	ND<50	75	ND<50	ND<50	ND<50	73	5
B14-1'	7/18/2019	1	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
DUP-3 [B14-1']	7/18/2019	NA	ND	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
B15-0.5'	7/18/2019	0.5	140 (Aroclor-1254) 28 (Aroclor-1260)	--	--	--	--	--	--	--	--	--	--	--	--	ND
B15-1'	7/18/2019	1	ND	ND<10	ND<10	11	12	11	13	14	27	10	ND<10	15	25	13
B15-2'	7/18/2019	2	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND
B16-0.5'	7/17/2019	0.5	--	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND<6,250	ND

Table 4 – Soil Sample Analytical Results – PCBs, OCPs, and SVOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	PCBs by EPA Method 8082 (µg/kg)	SVOCs / PAHs by EPA Method 8270C / 8270CM (ug/kg)												
				Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene Equivalents
B16-15'	7/17/2019	15	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B17-0.5'	7/17/2019	0.5	--	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND
B17-15'	7/17/2019	15	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND
B18-5'	7/17/2019	5	--	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND<2,500	ND
B18-25'	7/17/2019	25	--	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	300	ND<250	ND<250	ND
B19-0.5'	7/18/2019	0.5	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
B19-1'	7/18/2019	1	ND	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND<1,000	ND
B19-5'	7/18/2019	5	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND
Maximum Detected Concentration			Various	16	310	940	560	1600	540	320	760	1000	300	230	2300	1117.4

Notes:

' feet

-- not analyzed

µg/kg - microgram per kilogram

bgs - below ground surface

DUP - duplicate sample, listed immediately below its primary sample

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

NA - not applicable

ND< - not detected above the laboratory reporting limit

OCPs - organochlorine pesticides

PCBs - polychlorinated biphenyls

SVOCs - semi-volatile organic compounds

Table 5 – Soil Vapor Analytical Results – VOCs

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	VOCs by EPA Method 8260SV (µg/m³)								
			Benzene	Chloroform	Naphthalene	Tetrachloroethene	Trichloroethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Dichlorodifluoromethane (F12)	1,1,2 Trichlorotrifluoroethane (F113)
B1-5	7/23/2019	5	10	ND<10	ND<20	40	ND<10	ND<40	ND<40	ND<40	ND<40
B1-15	7/23/2019	15	10	ND<10	ND<20	120	ND<10	ND<40	ND<40	ND<40	ND<40
B2-5	7/23/2019	5	30	ND<10	30	20	ND<10	ND<40	ND<40	ND<40	ND<40
B2-15	7/23/2019	15	40	ND<10	ND<20	1100	ND<10	ND<40	ND<40	ND<40	ND<40
B3-5	7/23/2019	5	ND<10	ND<10	ND<20	420	ND<10	ND<40	ND<40	ND<40	ND<40
B3-15	7/23/2019	15	ND<10	ND<10	ND<20	1000	ND<10	ND<40	ND<40	ND<40	ND<40
B4-5	7/23/2019	5	20	ND<10	ND<20	4000	720	ND<40	ND<40	ND<40	ND<40
B4-5 REP	7/23/2019	5	20	ND<10	ND<20	4000	760	ND<40	ND<40	ND<40	ND<40
B4-15	7/23/2019	15	ND<10	ND<10	ND<20	1700	30	ND<40	ND<40	ND<40	ND<40
B5-5	7/23/2019	5	ND<10	ND<10	ND<20	230	90	ND<40	ND<40	ND<40	ND<40
B5-15	7/23/2019	15	ND<10	10	ND<20	210	50	ND<40	ND<40	ND<40	ND<40
B6-5	7/22/2019	5	20	ND<10	ND<20	20	ND<10	ND<40	ND<40	ND<40	ND<40
B6-15	7/22/2019	15	20	ND<10	ND<20	ND<20	ND<10	ND<40	ND<40	ND<40	ND<40
B7-5	7/22/2019	5	20	ND<10	ND<20	ND<20	ND<10	380	220	ND<40	ND<40
B7-15	7/22/2019	15	ND<10	ND<10	ND<20	ND<20	ND<10	40	ND<40	ND<40	ND<40
B8-5	7/22/2019	5	20	ND<10	ND<20	40	ND<10	ND<40	ND<40	ND<40	ND<40
B8-15	7/22/2019	15	20	ND<10	ND<20	40	ND<10	ND<40	ND<40	ND<40	ND<40
B9-5	7/23/2019	5	ND<10	20	ND<20	110	ND<10	ND<40	ND<40	ND<40	ND<40
B9-15	7/23/2019	15	ND<10	30	ND<20	170	20	ND<40	ND<40	ND<40	ND<40
B10-5	7/23/2019	5	20	ND<10	ND<20	80	ND<10	ND<40	ND<40	ND<40	ND<40
B10-15	7/23/2019	15	50	50	ND<80	230	ND<60	ND<160	ND<160	ND<160	ND<160
B11-5	7/23/2019	5	40	40	ND<80	330	ND<50	ND<160	ND<160	ND<160	ND<160
B11-15	7/23/2019	15	10	80	ND<20	390	100	ND<40	ND<40	130	90
B11-15 REP	7/23/2019	15	20	50	ND<20	350	90	ND<40	ND<40	130	110
B13-5	7/23/2019	5	20	ND<10	ND<20	40	ND<10	ND<40	ND<40	ND<40	ND<40
B14-5	7/23/2019	5	30	ND<10	ND<20	40	ND<10	ND<40	ND<40	ND<40	ND<40
B15-5	7/23/2019	5	30	ND<10	ND<20	150	70	ND<40	ND<40	ND<40	ND<40
B16-5	7/22/2019	5	50	ND<50	ND<100	ND<80	ND<60	ND<200	ND<200	ND<200	ND<200
B16-15	7/22/2019	15	10	ND<10	ND<20	ND<20	ND<10	ND<40	ND<40	ND<40	ND<40
B17-5	7/23/2019	5	30	ND<20	ND<40	ND<30	ND<20	ND<80	ND<80	ND<80	ND<80
B17-15	7/23/2019	15	60	ND<40	ND<80	ND<60	ND<50	ND<160	ND<160	ND<160	ND<160
B18-5	7/22/2019	5	ND<400	ND<400	ND<800	ND<640	ND<480	ND<1,600	ND<1,600	ND<1,600	ND<1,600
B18-5 REP	7/22/2019	5	ND<400	ND<400	ND<400	ND<640	ND<480	ND<1,600	ND<1,600	ND<1,600	ND<1,600
B18-15	7/22/2019	15	50	ND<50	ND<100	ND<80	ND<60	ND<200	ND<200	ND<200	ND<200
B19-5	7/23/2019	5	20	ND<10	ND<20	20	ND<10	ND<40	ND<40	ND<40	ND<40
Maximum Detected Concentration			60	80	30	4000	760	380	220	130	110

Notes:

[2] value for propyl benzene shown

µg/m³ - microgram per cubic meter

bgs - below ground surface

ID - Identification

J - indicates analyte was detected; however, analyte concentration is an estimated value which is between the method detection limit and the practical quantitation limit.

Modified EPA RSLs[1] (Industrial Soil Gas), November 2019

NA - not applicable

ND< - not detected above the laboratory reporting limit

REP - replicate sample, listed immediately below its primary sample

VOCs - volatile organic compounds

-- - not analyzed

Table 6 - Exposure Parameters for Onsite Receptors - Occupational Exposure Scenario				
Exposure/Site Specific Parameters	Units	Exposure Parameters		
		Construction Worker	Non-Intrusive Worker	Source
Soil Ingestion Rate (IR-S)	mg/day	330	100	HERO 2019
Skin Surface Area (SA)	cm^2/day	6,032	6,032	HERO 2019
Skin Adsorption Factor (ABS)	unitless	chem-specific	chem-specific	DTSC 1994/EPA 1997
Adherence Factor (AF)	mg/cm^2	0.80	0.20	HERO 2019
Fraction of Soil Exposed (FE)	unitless	1	0.01	Site-specific
Exposure Frequency (EF)	days/year	60	250	HERO 2019
Exposure Frequency (dermal; EFd)	days/year	60	250	HERO 2019
Exposure Duration (ED)	years	1	25	HERO 2019
Exposure Time (ET)	hours	8	8	HERO 2019
Conversion Factor (CF)	kg/mg	1.0E-06	1.0E-06	--
Body Weight (BW)	kg	80	80	HERO 2019
Averaging Time for Noncarcinogens (AT_n)	days	365	9,125	EPA 1989 (ED*365 days/yr)
Averaging Hours for Noncarcinogens (AT_n)	hours	8,760	219,000	EPA 1989 (ED*365 days/yr)
Averaging Time for Carcinogens (AT_c)	days	25,550	25,550	EPA 1989
Averaging Hours for Carcinogens (AT_c)	hours	613,200	613,200	EPA 1989

Table 7 - Exposure Parameters for Onsite Receptors - Offsite Neighbor Residential Exposure Scenario			
Exposure/Site Specific Parameters	Units	Exposure Parameters	
		Residential	Source
Chemical Concentration in Air (CA)		--	chemical-specific
Exposure Frequency (EF)	days/year	365	DTSC 2019
Exposure Duration (ED)	years	26	DTSC 2019
Exposure Time (ET)	hr/day	24	DTSC 2019
Averaging Time for Noncarcinogens (AT_n)	hours	227,760	USEPA 2009
Averaging Time for Carcinogens (AT_c)	hours	613,200	USEPA 2009

Table 8 - Volatilization Emission Factor Calculation

Soil Parameters	Value Used	Units	Reference
Water filled soil porosity (Theta w)	2.50E-01	(Lwater-Lsoil)	Default for Sandy Soils
Total soil porosity (n)	4.30E-01	(Lpore-Lsoil)	Default for Sandy Soils
Air filled soil porosity (Theta a)	1.80E-01	(Lair-Lsoil)	Default for Sandy Soils
Soil particle density (ps)	2.50E+00	g/cm^3	Default for Sandy Soils
Exposure Interval (T)	9.50E+08	sec	Default (EPA 1996)
Soil Bulk Density (Pb)	1.66	g/cm^3	Default for Sandy Soils
Fraction organic carbon in soil	3.00E-03	unitless	Default for Sandy Soils
Inverse of mean concentration (Q/C) (for VF)	43.09	(g/m^2-s per kg/m^3)	Default for a 7.5-acre site in Los Angeles (EPA 2001)

Compound	Diffusivity in air (Di) (cm^2/sec)	Henry's Law Const (H') (dimensionless)	Diffusivity in water (Dw) (cm^2/sec)	Soil-water partition coefficient (Kd) (cm^3/g)	Soil organic carbon partition coefficient (Koc) (cm^3/g)	Apparent Diffusivity (Da)	Volatilization Factor (VF)
VOCs							
1,2,4-Trimethylbenzene	7.5E-02	2.3E-01	7.1E-06	1.1E+01	3.7E+03	1.7E-05	1.7E+04
1,3,5-Trimethylbenzene	7.5E-02	3.2E-01	7.1E-06	2.5E+00	8.2E+02	9.6E-05	7.2E+03
4-Isopropyltoluene	7.5E-02	4.9E+01	7.1E-06	6.6E-01	2.2E+02	6.4E-03	8.8E+02
Acetone	1.2E-01	1.6E-03	1.1E-05	1.7E-03	5.8E-01	1.6E-05	1.8E+04
Benzene	8.8E-02	2.3E-01	9.8E-06	1.9E-01	6.2E+01	6.0E-04	2.9E+03
Methylene chloride	1.0E-01	9.0E-02	1.2E-05	3.0E-02	1.0E+01	5.1E-04	3.1E+03
n-Butylbenzene	7.5E-02	5.4E-01	7.8E-06	8.5E+00	2.8E+03	5.0E-05	1.0E+04
sec-Butylbenzene	7.5E-02	7.7E-01	7.8E-06	6.5E+00	2.2E+03	9.2E-05	7.4E+03
t-Butyl alcohol	8.1E-02	2.4E-02	9.4E-05	3.5E-02	1.2E+01	1.3E-04	6.3E+03
Tetrachloroethylene	7.2E-02	7.5E-01	8.2E-06	8.0E-01	2.7E+02	5.7E-04	3.0E+03
Xylenes, total	7.0E-02	3.0E-01	7.8E-06	5.9E-01	2.0E+02	2.9E-04	4.1E+03

Notes:

VOC Equation:

VF - Q/C * $((3.14 * D_a * T)^{1/2} * 10^{-4})/(2 * Pb * D_a)$

Table 9 - Outdoor Air Exposure Point Concentration Calculations - Offsite Neighbor Residential Exposure Scenario

Soil Parameters	Value Used	Units	Reference
Total soil porosity (Pt)	0.43	unitless	Default
Downwind length of contamination (L)	22219.92	centimeters	Default
Wind speed (u)	412	cm/sec	Default
Height of box (h)	609.6	centimeters	Default
Depth to impacted soil gas (d)	152.4	centimeters	Site Specific

Compound	Diffusivity in air (Di) (cm^2/sec)	Soil-Gas Concentration * (Cs) (ug/cm^3)	Chemical Vapor Flux to Outdoor Air (Fi) (ug/sec.cm^2)	Outdoor Chemical Air Concentration (Co) (ug/m^3)
1,1-Dichloroethane	8.36E-02	5.8E-04	1.0E-07	9.2E-03
1,2,4-Trimethylbenzene	6.07E-02	3.8E-04	4.9E-08	4.4E-03
1,3,5-Trimethylbenzene	6.02E-02	2.2E-04	2.8E-08	2.5E-03
Benzene	8.95E-02	4.0E-05	7.6E-09	6.8E-04
Chloroform	7.69E-02	8.0E-05	1.3E-08	1.2E-03
Dichlorodifluoromethane	7.60E-02	1.3E-04	2.1E-08	1.9E-03
Naphthalene	6.05E-02	3.0E-05	3.9E-09	3.4E-04
Tetrachloroethylene	5.05E-02	4.0E-03	4.3E-07	3.8E-02
Trichloroethylene	6.87E-02	7.6E-04	1.1E-07	9.9E-03
Trichlorotrifluoroethane	6.54E-02	1.1E-04	1.5E-08	1.4E-03

Notes
concentrations.
Equations:
Fi - Di x Cs x (Pt^(4/3)) / d
Co - ((Fi x L) / (u x h)) x 1,000,000 cm3/m3

Table 10 - Toxicity Criteria of Chemicals of Potential Concern

Chemical	Chronic Oral Reference Dose (RfDo) [mg/kg-day]	Inhalation Reference Concentration (RfCi) [ug/m^3]	Oral Cancer Slope Factor (CSFo) [mg/kg-day]$^{-1}$	Inhalation Unit Risk (IUR) [ug/m^3]$^{-1}$
Metals				
Antimony	4.0E-04	NA	NA	NA
Arsenic	3.5E-06	1.5E-02	9.5E+00	4.3E-03
Barium	2.0E-01	5.0E-01	NA	NA
Cadmium	1.0E-03	1.0E-02	NA	4.2E-03
Chromium	NA	NA	NA	NA
Cobalt	3.0E-04	6.0E-03	NA	9.0E-03
Copper	4.0E-02	NA	NA	NA
Mercury	1.6E-04	3.0E-02	NA	NA
Molybdenum	5.0E-03	NA	NA	NA
Nickel	1.1E-02	1.4E-02	NA	2.6E-04
Thallium	1.0E-05	NA	NA	NA
Vanadium	5.0E-03	1.0E-01	NA	NA
Zinc	3.0E-01	NA	NA	NA
PCBs				
Aroclor 1254	2.0E-05	8.0E-02	2.0E+00	5.7E-04
Aroclor 1260	NA	NA	2.0E+00	5.7E-04
SVOCs				
Anthracene	3.0E-01	1.2E+03	NA	NA
Benzo(a)pyrene	3.0E-04	2.0E-03	1.0E+00	1.1E-03
Benzo(g,h,i)perylene	3.0E-01	1.2E+03	NA	NA
Fluoranthene	4.0E-02	NA	NA	NA
Naphthalene	2.0E-02	3.0E+00	1.2E-01	3.4E-05
Phenanthrene	3.0E-01	1.2E+03	NA	NA
Pyrene	3.0E-02	1.2E+02	NA	NA
TPH				
TPH (C17-C32 aromatic high)	4.0E-02	NA	NA	NA
TPH (C19-C32 aliphatic high)	3.0E+00	NA	NA	NA
TPH (C5-C8 aliphatic low)	NA	6.0E+02	NA	NA
TPH (C6-C8 aromatic low)	4.0E-03	3.0E+01	NA	NA
TPH (C9-C16 aromatic medium)	4.0E-03	3.0E+00	NA	NA
TPH (C9-C18 aliphatic medium)	1.0E-02	1.0E+02	NA	NA
VOCs				
1,2,4-Trimethylbenzene	1.0E-02	6.0E+01	NA	NA
1,3,5-Trimethylbenzene	1.0E-02	6.0E+01	NA	NA
4-Isopropyltoluene	1.0E-01	4.0E+02	NA	NA
Acetone	9.0E-01	3.1E+04	NA	NA
Benzene	4.0E-03	3.0E+00	1.0E-01	2.9E-05
Methylene chloride	6.0E-03	4.0E+02	2.0E-03	1.0E-06
N-butylbenzene	5.0E-02	2.0E+02	NA	NA
sec-Butylbenzene	1.0E-01	4.0E+02	NA	NA
t-Butyl alcohol	NA	3.0E+03	NA	NA
Tetrachloroethylene	6.0E-03	4.0E+01	5.4E-01	6.1E-06
Xylenes, total	2.0E-01	1.0E+02	NA	NA

Notes:
Values taken from HHRA Note No. 10, 2019

Table 11 - Estimated Cumulative Risks and Hazards - Occupational Exposure Scenario

COPC	Exposure Scenario				
	Worker EPC (mg/kg)	Cancer Risk		Hazard Index	
		Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive Worker
Metals					
Antimony	9.34	--	--	2.E-02	2.E-04
Arsenic*	25.87	3.E-06	8.E-07	6.E+00	7.E-02
Barium	196	--	--	2.E-02	8.E-05
Cadmium	2.7	9.E-09	7.E-10	2.E-02	7.E-05
Chromium	29.4	--	--	--	--
Cobalt	15.1	1.E-07	8.E-09	2.E-01	9.E-04
Copper	127	--	--	2.E-03	3.E-05
Mercury	1.23	--	--	8.E-03	8.E-05
Molybdenum	2.2	--	--	3.E-04	4.E-06
Nickel	52.2	1.E-08	8.E-10	2.E-01	7.E-04
Thallium	3.15	--	--	2.E-01	3.E-03
Vanadium	56.2	--	--	4.E-02	2.E-04
Zinc	1260	--	--	3.E-03	4.E-05
PCBs					
Aroclor 1254	0.14	3.E-09	1.E-09	6.E-03	7.E-05
Aroclor 1260	0.028	6.E-10	2.E-10	--	--
SVOCs					
Anthracene	0.016	--	--	1.E-07	1.E-09
Benzo(a)pyrene	1.1174	3.E-08	9.E-09	4.E-02	2.E-04
Benzo(g,h,i)perylene	1.6	--	--	1.E-05	1.E-07
Fluoranthene	0.76	--	--	4.E-05	4.E-07
Naphthalene	3.5	1.E-08	3.E-09	4.E-04	4.E-06
Phenanthrene	0.23	--	--	2.E-06	2.E-08
Pyrene	2.3	--	--	2.E-04	2.E-06
TPH					
TPH (C17-C32 aromatic high)*	486.8	--	--	2.E-02	2.E-04
TPH (C19-C32 aliphatic high)*	486.8	--	--	3.E-04	3.E-06
TPH (C5-C8 aliphatic low)*	608.2	--	--	6.E-05	2.E-07
TPH (C6-C8 aromatic low)*	608.2	--	--	3.E-01	3.E-03
TPH (C9-C16 aromatic medium)*	64.73	--	--	3.E-02	3.E-04
TPH (C9-C18 aliphatic medium)*	64.73	--	--	1.E-02	1.E-04
VOCs					
1,2,4-Trimethylbenzene	29	--	--	6.E-03	6.E-03
1,3,5-Trimethylbenzene	10	--	--	3.E-03	5.E-03
4-Isopropyltoluene	8.3	--	--	1.E-03	5.E-03
Acetone	0.94	--	--	2.E-06	4.E-07
Benzene	0.0051	5.E-11	4.E-09	3.E-05	1.E-04
Methylene chloride	1.6	5.E-10	4.E-08	5.E-04	3.E-04
N-butylbenzene	5.4	--	--	3.E-04	6.E-04
sec-Butylbenzene	0.82	--	--	3.E-05	6.E-05
t-Butyl alcohol	0.013	--	--	4.E-08	2.E-07
Tetrachloroethylene	0.0048	7.E-11	8.E-10	4.E-06	9.E-06
Xylenes, total	0.75	--	--	1.E-04	4.E-04
TOTAL RISKS and HAZARDS		3.E-06	9.E-07	7.E+00	1.E-01

Notes:

" * " Used 95 Upper Confidence Limit on the Average Concentration as Exposure Point Concentration

Includes Incidental Soil Ingestion, Dermal Contact, and Fugitive Dust Inhalation

EPC: Exposure Point Concentration in milligrams per kilogram used in the risk and hazard calculations

Table 11A - Estimated Cumulative Risks and Hazards - Occupational Exposure Scenario - Using Either Maximum Detected Concentrations or Maximum SQLs for Chemicals Reported as Non-Detected

COPC	Exposure Scenario				
	Worker EPC (mg/kg)	Cancer Risk		Hazard Index	
		Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive Worker
Metals					
Antimony	9.34	--	--	2.E-02	2.E-04
Arsenic*	25.87	3.E-06	8.E-07	6.E+00	7.E-02
Barium	196	--	--	2.E-02	8.E-05
Cadmium	2.7	9.E-09	7.E-10	2.E-02	7.E-05
Chromium	29.4	--	--	--	--
Cobalt	15.1	1.E-07	8.E-09	2.E-01	9.E-04
Copper	127	--	--	2.E-03	3.E-05
Mercury	1.23	--	--	8.E-03	8.E-05
Molybdenum	2.2	--	--	3.E-04	4.E-06
Nickel	52.2	1.E-08	8.E-10	2.E-01	7.E-04
Thallium	3.15	--	--	2.E-01	3.E-03
Vanadium	56.2	--	--	4.E-02	2.E-04
Zinc	1260	--	--	3.E-03	4.E-05
PCBs					
Aroclor 1254	0.14	3.E-09	1.E-09	6.E-03	7.E-05
Aroclor 1260	0.028	6.E-10	2.E-10	--	--
SVOCs					
2,4-Dinitrophenol	30	--	--	3.E-02	3.E-04
Methylphenols	10	--	--	2.E-04	2.E-06
3,3'-Dichlorobenzidine	30	1.E-06	3.E-07	--	--
Anthracene	6.25	--	--	4.E-05	5.E-07
Benzo(a)anthracene	6.25	2.E-08	5.E-09	--	--
Benzidine	30	4.E-04	1.E-04	2.E-02	2.E-04
Benzo(a)pyrene	6.25	2.E-07	5.E-08	2.E-01	1.E-03
Benzo(b)fluoroanthene	6.25	2.E-08	5.E-09	--	--
Benzo(g,h,i)perylene	6.25	--	--	4.E-05	5.E-07
Benzo(k)fluoroanthene	6.25	2.E-09	5.E-10	--	--
Benzoic Acid	30	--	--	1.E-05	2.E-07
Bis(2-chloroethyl) Ether	30	2.E-06	6.E-07	--	--
Chrysene	6.25	2.E-10	5.E-11	--	--
Fluoranthene	6.25	--	--	3.E-04	3.E-06
Hexachlorocyclopentadiene	30	--	--	2.E-02	1.E-04
Indeno(1,2,3-cd)pyrene	6.25	2.E-08	5.E-09	--	--
Naphthalene	6.25	2.E-08	6.E-09	7.E-04	7.E-06
Nitrobenzene	30	9.E-10	7.E-11	3.E-02	3.E-04
Pentachlorophenol	30	3.E-07	9.E-08	1.E-02	1.E-04
Phenanthrene	6.25	--	--	4.E-05	5.E-07
Pyrene	6.25	--	--	4.E-04	5.E-06
TPH					
TPH (C17-C32 aromatic high)*	486.8	--	--	2.E-02	2.E-04
TPH (C19-C32 aliphatic high)*	486.8	--	--	3.E-04	3.E-06
TPH (C5-C8 aliphatic low)*	608.2	--	--	6.E-05	2.E-07
TPH (C6-C8 aromatic low)*	608.2	--	--	3.E-01	3.E-03
TPH (C9-C16 aromatic medium)*	64.73	--	--	3.E-02	3.E-04
TPH (C9-C18 aliphatic medium)*	64.73	--	--	1.E-02	1.E-04

Table 11A - Estimated Cumulative Risks and Hazards - Occupational Exposure Scenario - Using Either Maximum Detected Concentrations or Maximum SQLs for Chemicals Reported as Non-Detected

COPC	Exposure Scenario				
	Worker EPC (mg/kg)	Cancer Risk		Hazard Index	
		Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive Worker
VOCs					
1,2,4-Trimethylbenzene	29	--	--	6.E-03	6.E-03
1,3,5-Trimethylbenzene	10	--	--	3.E-03	5.E-03
4-Isopropyltoluene	8.3	--	--	1.E-03	5.E-03
Acetone	0.94	--	--	2.E-06	4.E-07
Benzene	0.0051	5.E-11	4.E-09	3.E-05	1.E-04
Methylene chloride	1.6	5.E-10	4.E-08	5.E-04	3.E-04
N-butylbenzene	5.4	--	--	3.E-04	6.E-04
sec-Butylbenzene	0.82	--	--	3.E-05	6.E-05
t-Butyl alcohol	0.013	--	--	4.E-08	2.E-07
Tetrachloroethylene	0.0048	7.E-11	8.E-10	4.E-06	9.E-06
Xylenes, total	0.75	--	--	1.E-04	4.E-04
TOTAL RISKS and HAZARDS		4.E-04	1.E-04	7.E+00	1.E-01

Notes:

" * " Used 95 Upper Confidence Limit on the Average Concentration as Exposure Point Concentration

Includes Incidental Soil Ingestion, Dermal Contact, and Fugitive Dust Inhalation

EPC: Exposure Point Concentration in milligrams per kilogram used in the risk and hazard calculations

Table 12 - Estimated Cumulative Risks and Hazards - Offsite Neighbor Residential Exposure Scenario			
COPC	Offsite Neighbor Residential		
	Estimated Outdoor Air Conc. (ug/m^3)	Cancer Risk (unitless)	Hazard Index (unitless)
1,1-Dichloroethane	9.2E-03	5.E-09	1.E-05
1,2,4-Trimethylbenzene	4.4E-03	NA	7.E-05
1,3,5-Trimethylbenzene	2.5E-03	NA	4.E-05
Benzene	6.8E-04	7.E-09	2.E-04
Chloroform	1.2E-03	1.E-08	1.E-05
Dichlorodifluoromethane	1.9E-03	NA	2.E-05
Naphthalene	3.4E-04	4.E-09	1.E-04
Tetrachloroethylene	3.8E-02	9.E-08	1.E-03
Trichloroethylene	9.9E-03	2.E-08	5.E-03
Trichlorotrifluoroethane	1.4E-03	NA	3.E-07
TOTAL RISKS and HAZARDS		1.E-07	6.E-03

Notes:
ug/m^3 - Micrograms per cubic meter of air.

Table 12A - Estimated Cumulative Risks and Hazards for Offsite Neighbor Residential Exposure Scenario - Using Either Maximum Detected Concentrations or Maximum SQL for VOCs Reported as Non-Detected

COPC	Offsite Neighbor Residential		
	Estimated Outdoor Air Conc. (ug/m^3)	Cancer Risk (unitless)	Hazard Index (unitless)
1,1-Dichloroethane	6.3E-02	4.E-08	8.E-05
1,1-Dichloroethylene	6.5E-02	NA	9.E-04
1,1-Dichloropropene	6.3E-02	9.E-08	2.E-02
1,1,1-Trichloroethane	4.9E-02	NA	5.E-05
1,1,1,2-Tetrachloroethane	3.6E-02	1.E-07	3.E-04
1,1,2-Trichloroethane	5.1E-02	3.E-07	3.E-01
1,2-Dibromo-3-chloropropane	2.4E-01	5.E-04	1.E+00
1,2-Dichloroethylene (cis)	6.7E-02	NA	8.E-03
1,2-Dichloroethylene (trans)	6.6E-02	NA	8.E-04
1,2-Dichloropropane	5.5E-02	8.E-08	1.E-02
1,2,4-Trimethylbenzene	4.6E-02	NA	8.E-04
1,3-Dichloropropane	5.6E-02	NA	7.E-04
2,2-Dichloropropane	5.5E-02	8.E-08	1.E-02
Benzene	1.4E-02	1.E-07	5.E-03
Chloroethane	7.8E-02	NA	8.E-06
Chloroform	1.2E-02	1.E-07	1.E-04
Chloromethane	9.4E-02	NA	1.E-03
Ethylbenzene	5.2E-02	5.E-08	5.E-05
Freons	4.9E-02	NA	1.E-05
Hexachlorobutadiene	2.4E-02	2.E-07	6.E-03
MTBE	5.7E-02	5.E-09	2.E-05
Methylene Chloride	7.6E-02	3.E-08	2.E-04
Naphthalene	9.1E-03	1.E-07	3.E-03
Toluene	5.9E-02	NA	2.E-04
Trichloroethylene	1.0E-02	2.E-08	5.E-03
Vinyl Chloride	8.1E-03	2.E-07	8.E-05
Xylenes, total	5.2E-02	NA	5.E-04
TOTAL RISKS and HAZARDS		5.E-04	2.E+00

Notes:
SQL - Sample quantitation limits
ug/m^3 - Micrograms per cubic meter of air.

Table 13 - Estimated Chemical-Specific Risks and Hazards - Using Maximum Detection Limits for Non-Detected Chemicals in Soil

COPC	Exposure Scenario				
	Worker EPC (mg/kg)	Cancer Risk		Hazard Index	
		Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive Worker
Various					
2,4-Dinitrophenol	30	--	--	1.2E-02	1.4E-04
Methylphenols	10	--	--	7.9E-05	9.6E-07
3,3'-Dichlorobenzidine	30	4.1E-07	1.2E-07	--	--
Anthracene	6.25	--	--	1.5E-05	1.8E-07
Benzo(a)anthracene	6.25	7.5E-09	2.2E-09	--	--
Benzidine	30	1.7E-04	5.2E-05	7.8E-03	9.6E-05
Benzo(a)pyrene	6.25	7.5E-08	2.2E-08	1.9E-01	7.4E-04
Benzo(b)fluoroanthene	6.25	7.5E-09	2.2E-09	--	--
Benzo(g,h,i)perylene	6.25	--	--	1.6E-05	2.0E-07
Benzo(k)fluoroanthene	6.25	1.2E-09	2.6E-10	--	--
Benzoic Acid	30	--	--	5.8E-06	7.2E-08
Bis(2-chloroethyl) Ether	30	8.5E-07	2.6E-07	--	--
Chrysene	6.25	1.2E-10	2.6E-11	--	--
Fluoranthene	6.25	--	--	3.1E-04	3.4E-06
Hexachlorocyclopentadiene	30	--	--	1.8E-02	1.4E-04
Indeno(1,2,3-cd)pyrene	6.25	1.8E-08	5.0E-09	--	--
Naphthalene	6.25	2.1E-08	5.9E-09	7.3E-04	7.2E-06
Nitrobenzene	30	9.4E-10	7.4E-11	3.0E-02	3.3E-04
Pentachlorophenol	30	3.4E-07	9.4E-08	1.2E-02	1.3E-04
Phenanthrene	6.25	--	--	4.1E-05	4.6E-07
Pyrene	6.25	--	--	3.5E-04	3.9E-06

Notes:

" * " compound not a COPC; " -- " Not Applicable

Includes Incidental Soil Ingestion, Dermal Contact, and Fugitive Dust Inhalation

EPC: Exposure Point Concentration in milligrams per kilogram used in the risk and hazard calculations

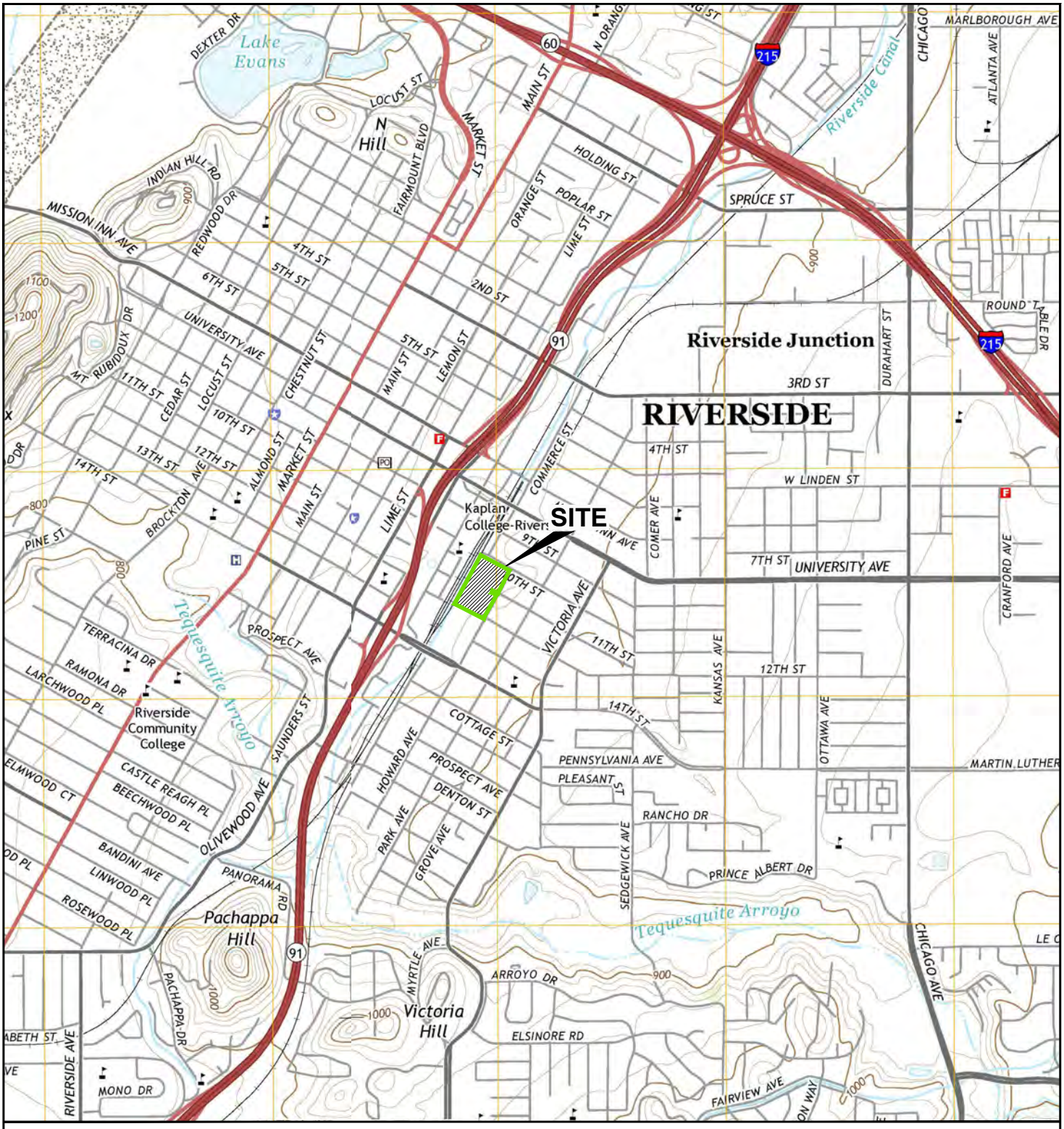
Table 14 - Estimated Chemical-Specific Risks and Hazards - Using Maximum Detection Limits for Non-Detected Chemicals in Soil Vapor

COPC	Offsite Neighbor Residential		
	Estimated Outdoor Air Conc. (ug/m^3)	Cancer Risk (unitless)	Hazard Index (unitless)
1,1-Dichloroethane	6.3E-02	4.E-08	8.E-05
1,1-Dichloroethylene	6.5E-02	NA	9.E-04
1,1-Dichloropropene	6.3E-02	9.E-08	2.E-02
1,1,1-Trichloroethane	4.9E-02	NA	5.E-05
1,1,1,2-Tetrachloroethane	3.6E-02	1.E-07	3.E-04
1,1,2-Trichloroethane	5.1E-02	3.E-07	3.E-01
1,2-Dibromo-3-chloropropane	2.4E-01	5.E-04	1.E+00
1,2-Dichloroethylene (cis)	6.7E-02	NA	8.E-03
1,2-Dichloroethylene (trans)	6.6E-02	NA	8.E-04
1,2-Dichloropropane	5.5E-02	8.E-08	1.E-02
1,2,4-Trimethylbenzene	4.6E-02	NA	8.E-04
1,3-Dichloropropane	5.6E-02	NA	7.E-04
2,2-Dichloropropane	5.5E-02	8.E-08	1.E-02
Benzene	1.4E-02	1.E-07	5.E-03
Chloroethane	7.8E-02	NA	8.E-06
Chloroform	1.2E-02	1.E-07	1.E-04
Chloromethane	9.4E-02	NA	1.E-03
Ethylbenzene	5.2E-02	5.E-08	5.E-05
Freons	4.9E-02	NA	1.E-05
Hexachlorobutadiene	2.4E-02	2.E-07	6.E-03
MTBE	5.7E-02	5.E-09	2.E-05
Methylene Chloride	7.6E-02	3.E-08	2.E-04
Naphthalene	9.1E-03	1.E-07	3.E-03
Toluene	5.9E-02	NA	2.E-04
Trichloroethylene	1.0E-02	2.E-08	5.E-03
Vinyl Chloride	8.1E-03	2.E-07	8.E-05
Xylenes, total	5.2E-02	NA	5.E-04

Notes:

ug/m^3 - Micrograms per cubic meter of air.

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

N

FEET

0 2,000 4,000

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FIGURE 1

SITE LOCATION

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Geotechnical & Environmental Sciences Consultants

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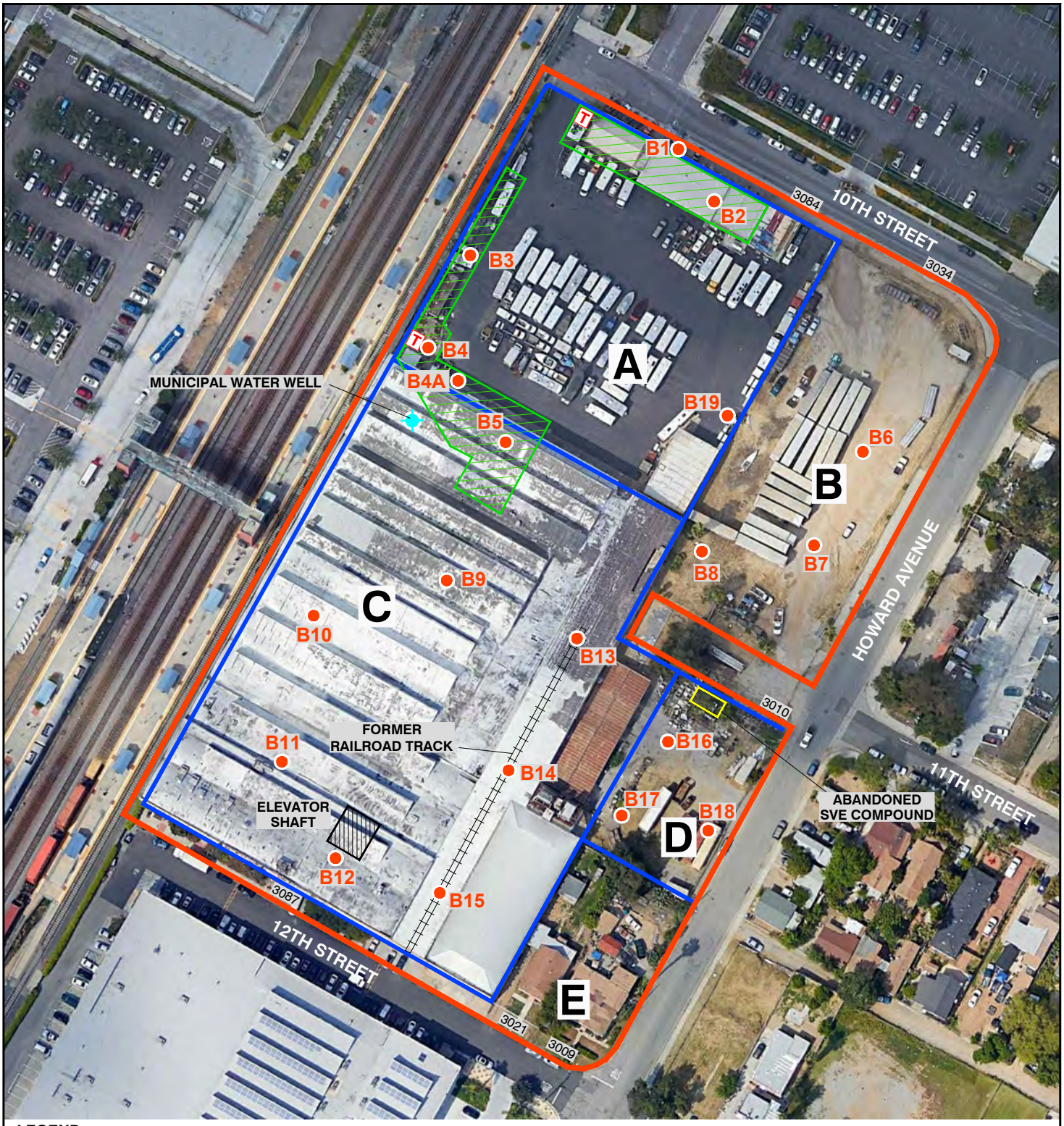

LEGEND

	SITE BOUNDARY		LUC AREAS
	AREAS OF INTEREST	LUC	LAND USE CONVENANT
	WATER WELL	SVE	SOIL VAPOR EXTRACTION
B19	BORING	T	TRANSFORMER

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

N

FEET

0 120 240

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FIGURE 2

SITE PLAN AND BORING LOCATIONS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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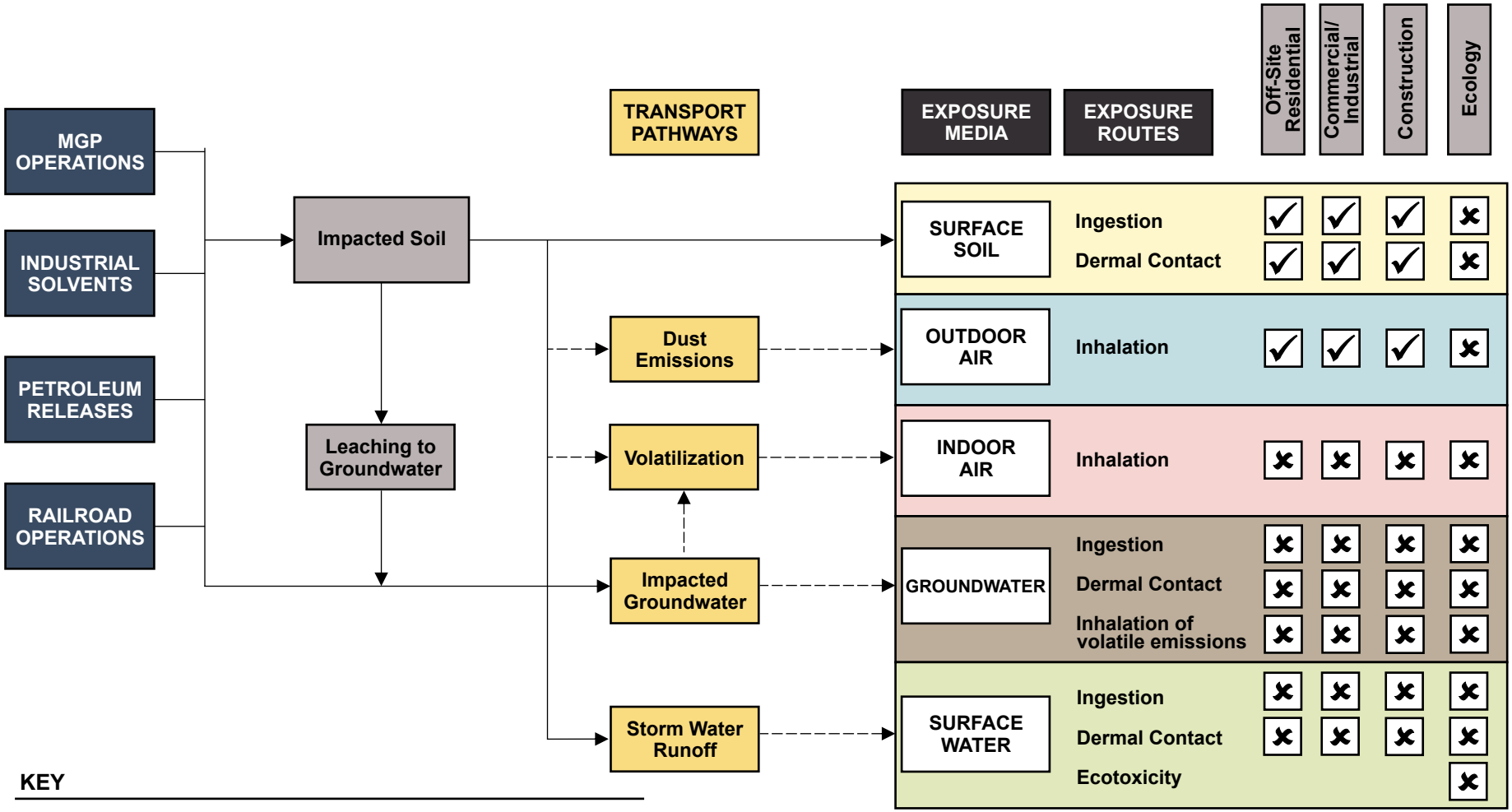

KEY

- Confirmed Complete Pathway
- Possibly Complete Pathway
- ✓ Exposure Pathway May Be Complete For The Receptor
- ✗ Exposure Pathway Is Incomplete For This Receptor

3 209691009 CSM.cdr AOB

FIGURE 3

CONCEPTUAL SITE MODEL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

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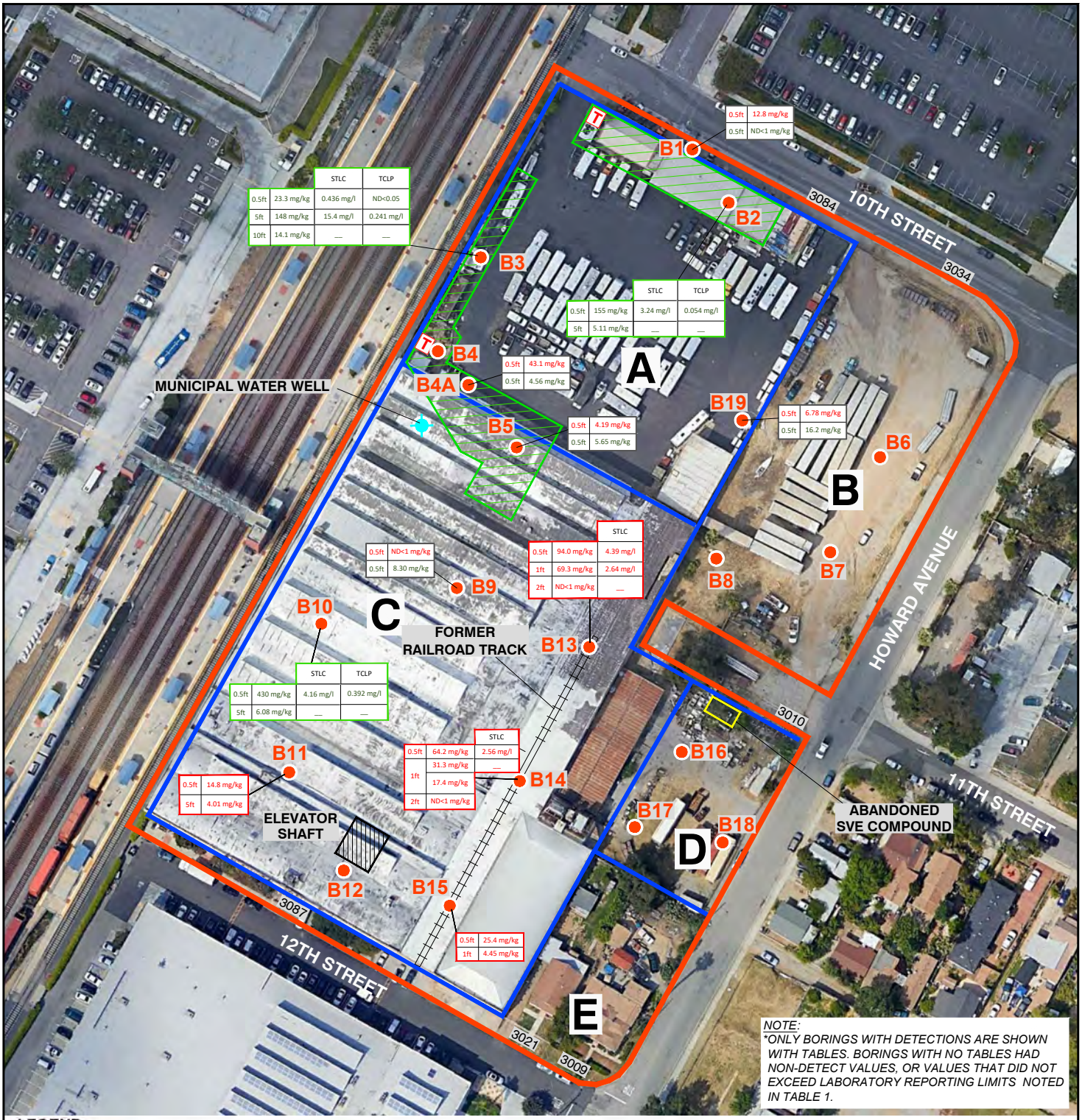

LEGEND

SITE BOUNDARY		LUC AREAS		LEAD CONCENTRATION	TLCP — TOXICITY CHARACTERISTIC LEACHING PROCEDURE
AREAS OF INTEREST	LUC	LAND USE CONVENANT		ARSENIC CONCENTRATION	
WATER WELL			T	TRANSFORMER	
B19 BORING	SVE	SOIL VAPOR EXTRACTION	STLC	SOLUBLE TRESHOLD LIMIT CONCENTRATION	

N

FEET 0 120 240

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

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FIGURE 4

ARSENIC AND LEAD IN SHALLOW SOIL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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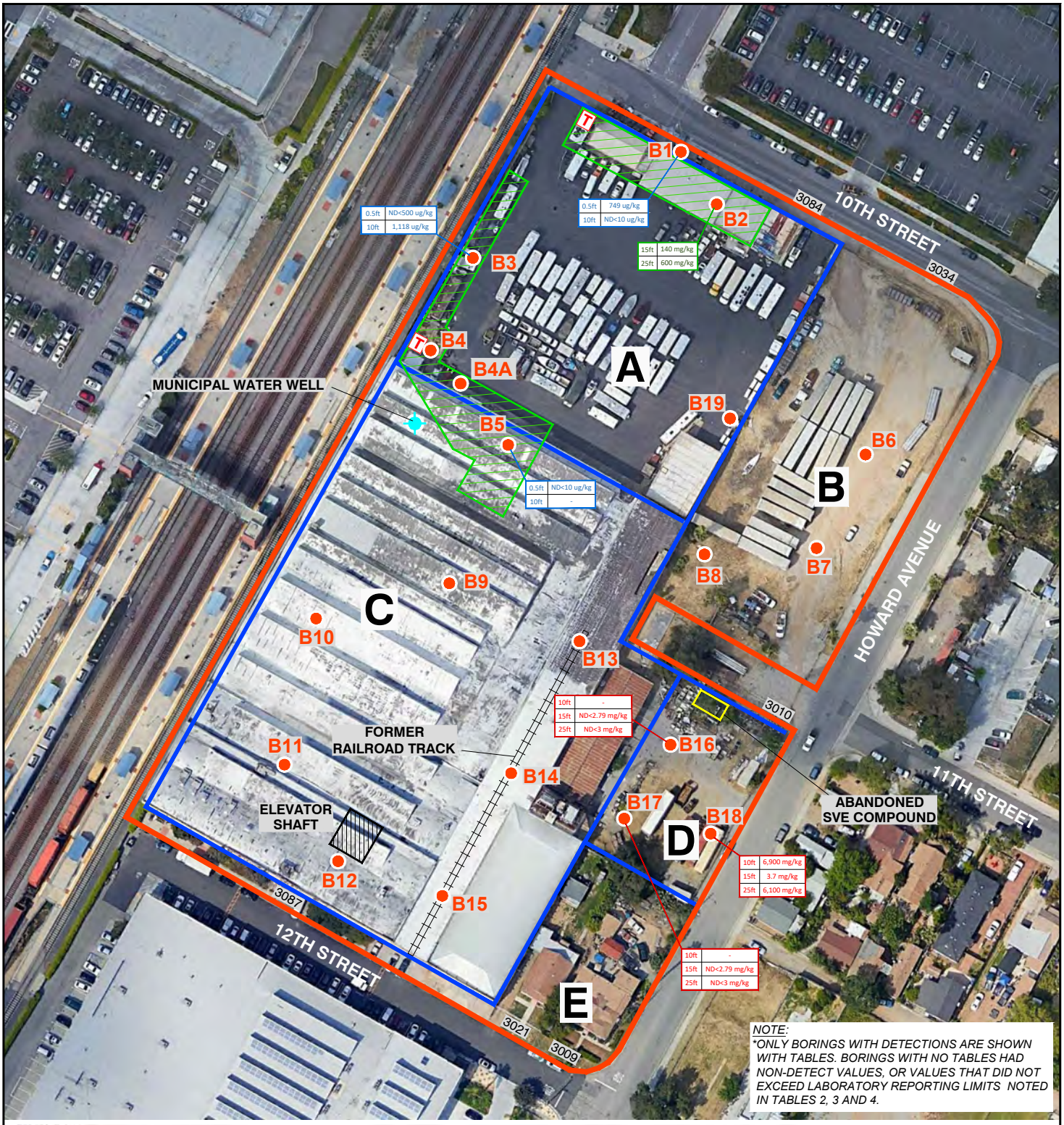

LEGEND

- SITE BOUNDARY
- AREAS OF INTEREST
- WATER WELL
- B19 BORING
- LUC AREAS
- LUC LAND USE CONVENANT
- SVE SOIL VAPOR EXTRACTION
- TPH AS GASOLINE CONCENTRATION
- TPH AS DIESEL CONCENTRATION
- BENZO(A) PYRENE EQUIVALENTS CONCENTRATION
- T TRANSFORMER

N

FEET 0 120 240

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

209691009_TPHVOC.dwg 12/03/2019 (APRIL 2020) GK

FIGURE 5

TPHs, VOCs, AND SVOCs IN SOIL

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

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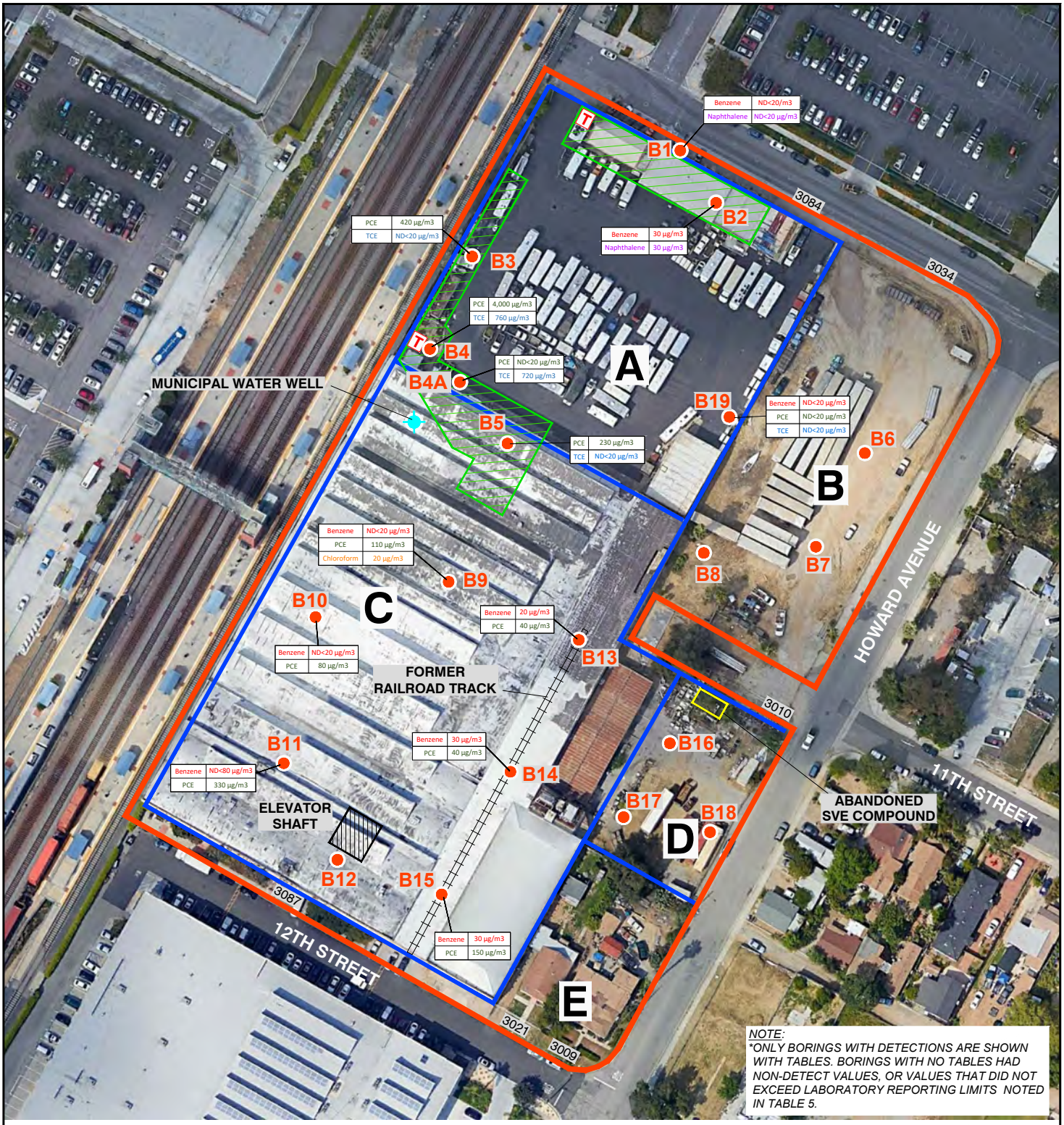

LEGEND

	SITE BOUNDARY		LUC AREAS	PCE	TETRACHLOROETHENE
	AREAS OF INTEREST	LUC	LAND USE CONVENANT	TCE	TRICHLOROETHENE
	WATER WELL	SVE	SOIL VAPOR EXTRACTION		
B19	BORING	T	TRANSFORMER		

N

FEET 0 120 240

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

209691009_SV5.dwg 12/03/2019 (APRIL 2020) GK

FIGURE 6

SOIL VAPOR VOCs AT 5 FEET

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Geotechnical & Environmental Sciences Consultants

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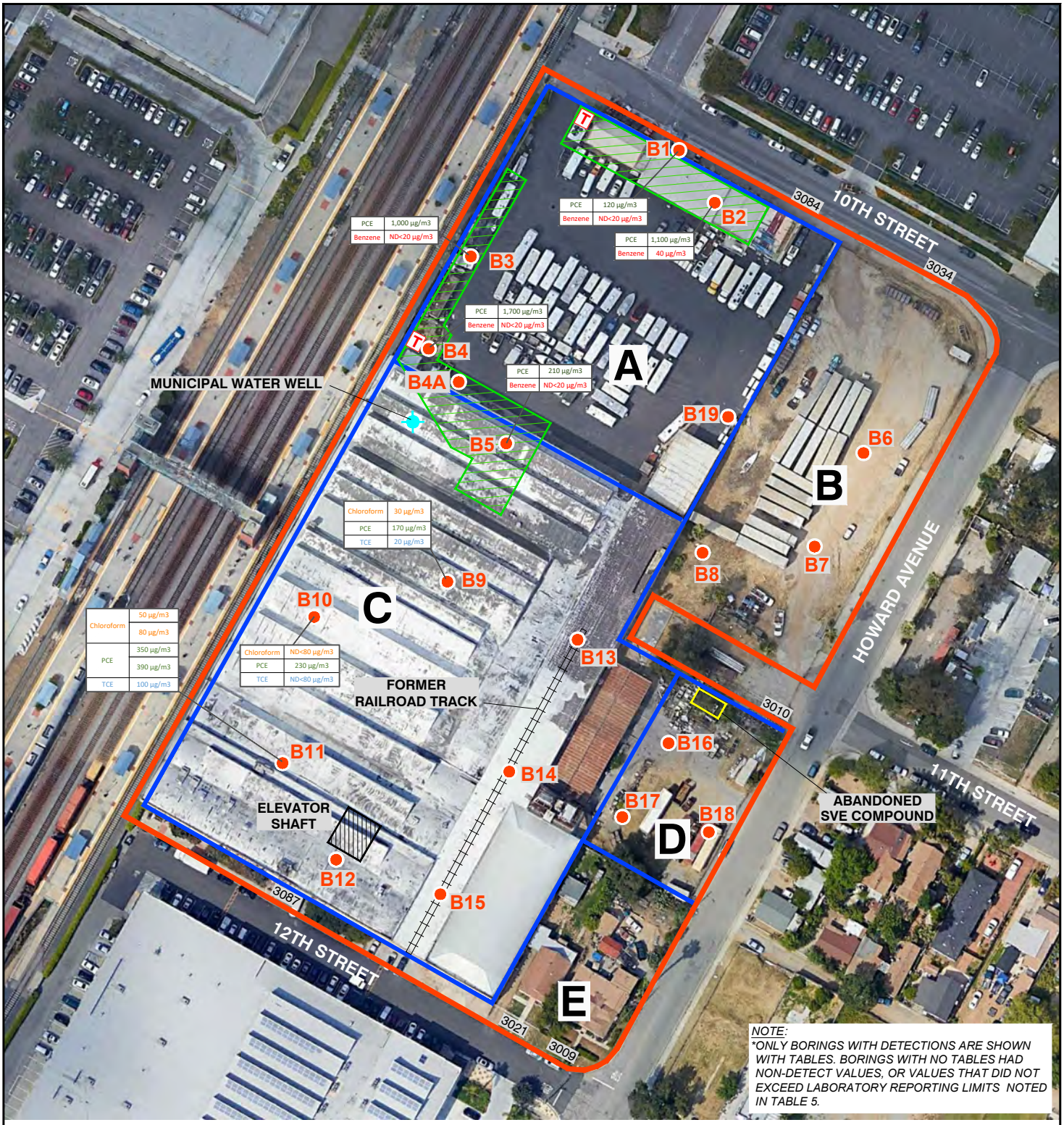

LEGEND

	SITE BOUNDARY		LUC AREAS	PCE	TETRACHLOROETHENE
	AREAS OF INTEREST	LUC	LAND USE CONVENANT	TCE	TRICHLOROETHENE
	WATER WELL	SVE	SOIL VAPOR EXTRACTION		
B19	BORING	T	TRANSFORMER		

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

N

FEET 0 120 240

209691009_SV15.dwg 12/03/2019 (APRIL 2020) GK

FIGURE 7

SOIL VAPOR VOCs AT 15 FEET

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Geotechnical & Environmental Sciences Consultants

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APPENDIX A

Cancer Risk and Health Hazard Calculation Spreadsheets

Table A-1 - Health Hazards from Incidental Soil Ingestion - Using Maximum Detected Concentrations

COPC	Exposure Point Concentration (mg/kg)	Oral Reference Dose (mg/kg-d)	Worker Exposure Scenario			
			Average Daily Intake (mg/kg-d)		Hazard Quotient (Unitless)	
			Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive
Metals						
Antimony	9.34	4.0E-04	6.3E-06	8.0E-08	1.6E-02	2.0E-04
Arsenic	25.87	3.5E-06	1.8E-05	2.2E-07	5.0E+00	6.3E-02
Barium	196	2.0E-01	1.3E-04	1.7E-06	6.6E-04	8.4E-06
Cadmium	2.7	1.0E-03	1.8E-06	2.3E-08	1.8E-03	2.3E-05
Chromium	26.2	NA	1.8E-05	2.2E-07	NA	NA
Cobalt	14	3.0E-04	9.5E-06	1.2E-07	3.2E-02	4.0E-04
Copper	127	4.0E-02	8.6E-05	1.1E-06	2.2E-03	2.7E-05
Mercury	1.23	1.6E-04	8.3E-07	1.1E-08	5.2E-03	6.6E-05
Molybdenum	1.97	5.0E-03	1.3E-06	1.7E-08	2.7E-04	3.4E-06
Nickel	52.2	1.1E-02	3.5E-05	4.5E-07	3.2E-03	4.1E-05
Thallium	3.15	1.0E-05	2.1E-06	2.7E-08	2.1E-01	2.7E-03
Vanadium	52.8	5.0E-03	3.6E-05	4.5E-07	7.1E-03	9.0E-05
Zinc	1260	3.0E-01	8.5E-04	1.1E-05	2.8E-03	3.6E-05
SVOCs						
Anthracene	0.016	3.0E-01	1.1E-08	1.4E-10	3.6E-08	4.6E-10
Benzo(a)pyrene	1.1174	3.0E-04	7.6E-07	9.6E-09	2.5E-03	3.2E-05
Benzo(g,h,i)perylene	1.6	3.0E-01	1.1E-06	1.4E-08	3.6E-06	4.6E-08
Fluoranthene	0.76	4.0E-02	5.2E-07	6.5E-09	1.3E-05	1.6E-07
Naphthalene	3.5	2.0E-02	2.4E-06	3.0E-08	1.2E-04	1.5E-06
Phenanthrene	0.23	3.0E-01	1.6E-07	2.0E-09	5.2E-07	6.6E-09
Pyrene	2.3	3.0E-02	1.6E-06	2.0E-08	5.2E-05	6.6E-07
TPH						
TPH (C17-C32 aromatic high)	486.8	4.0E-02	3.3E-04	4.2E-06	8.3E-03	1.0E-04
TPH (C19-C32 aliphatic high)	486.8	3.0E+00	3.3E-04	4.2E-06	1.1E-04	1.4E-06
TPH (C5-C8 aliphatic low)	608.2	NA	4.1E-04	5.2E-06	NA	NA
TPH (C6-C8 aromatic low)	608.2	4.0E-03	4.1E-04	5.2E-06	1.0E-01	1.3E-03
TPH (C9-C16 aromatic medium)	64.73	4.0E-03	4.4E-05	5.5E-07	1.1E-02	1.4E-04
TPH (C9-C18 aliphatic medium)	64.73	1.0E-02	4.4E-05	5.5E-07	4.4E-03	5.5E-05
TPH						
1,2,4-Trimethylbenzene	29	1.0E-02	2.0E-05	2.5E-07	2.0E-03	2.5E-05
1,3,5-Trimethylbenzene	10	1.0E-02	6.8E-06	8.6E-08	6.8E-04	8.6E-06
4-Isopropyltoluene	8.3	1.0E-01	5.6E-06	7.1E-08	5.6E-05	7.1E-07
Acetone	0.94	9.0E-01	6.4E-07	8.0E-09	7.1E-07	8.9E-09
Benzene	0.0051	4.0E-03	3.5E-09	4.4E-11	8.6E-07	1.1E-08
Methylene chloride	1.6	6.0E-03	1.1E-06	1.4E-08	1.8E-04	2.3E-06
N-butylbenzene	5.4	5.0E-02	3.7E-06	4.6E-08	7.3E-05	9.2E-07
sec-Butylbenzene	0.82	1.0E-01	5.6E-07	7.0E-09	5.6E-06	7.0E-08
t-Butyl alcohol	0.013	NA	8.8E-09	1.1E-10	NA	NA
Tetrachloroethylene	0.0048	6.0E-03	3.3E-09	4.1E-11	5.4E-07	6.8E-09
Xylenes, total	0.75	2.0E-01	5.1E-07	6.4E-09	2.5E-06	3.2E-08
Total Hazard Index					5.4E+00	6.9E-02

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * IR-iw * FE * EFiw * EDiw * CF) / (BWiw * $AT_{noncancer}$))

Non-Intrusive Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * IR-Scw * FE * EFcw * EDcw * CF) / (BWcw * $AT_{noncancer}$))

Noncancer Hazard = ($INTAKE_{noncancer}$ / RfD)

Table A-2 - Health Hazards from Dermal Contact with Soil - Using Maximum Detected Concentrations

COPC	Exposure Point Concentration (mg/kg)	Soil-to-Skin Absorption Factor (unitless)	Oral/Dermal Reference Dose (mg/kg-d)	Worker Exposure Scenario			
				Average Daily Intake (mg/kg-d)		Hazard Quotient (Unitless)	
				Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive
Metals							
Antimony	9.34	0.01	4.0E-04	9.3E-07	9.6E-09	2.3E-03	2.4E-05
Arsenic	25.87	0.01	3.5E-06	2.6E-06	2.7E-08	7.3E-01	7.6E-03
Barium	196	0.01	2.0E-01	1.9E-05	2.0E-07	9.7E-05	1.0E-06
Cadmium	2.7	0.001	1.0E-03	2.7E-08	2.8E-10	2.7E-05	2.8E-07
Chromium	26.2	0.01	NA	2.6E-06	2.7E-08	NA	NA
Cobalt	14	0.01	3.0E-04	1.4E-06	1.4E-08	4.6E-03	4.8E-05
Copper	127	0.01	4.0E-02	1.3E-05	1.3E-07	3.1E-04	3.3E-06
Mercury	1.23	0.01	1.6E-04	1.2E-07	1.3E-09	7.6E-04	7.9E-06
Molybdenum	1.97	0.01	5.0E-03	2.0E-07	2.0E-09	3.9E-05	4.1E-07
Nickel	52.2	0.01	1.1E-02	5.2E-06	5.4E-08	4.7E-04	4.9E-06
Thallium	3.15	0.01	1.0E-05	3.1E-07	3.3E-09	3.1E-02	3.3E-04
Vanadium	52.8	0.01	5.0E-03	5.2E-06	5.5E-08	1.0E-03	1.1E-05
Zinc	1260	0.01	3.0E-01	1.2E-04	1.3E-06	4.2E-04	4.3E-06
SVOCs							
Anthracene	0.016	0.13	3.0E-01	2.1E-08	2.1E-10	6.9E-08	7.2E-10
Benzo(a)pyrene	1.1174	0.13	3.0E-04	1.4E-06	1.5E-08	4.8E-03	5.0E-05
Benzo(g,h,i)perylene	1.6	0.13	3.0E-01	2.1E-06	2.1E-08	6.9E-06	7.2E-08
Fluoranthene	0.76	0.13	4.0E-02	9.8E-07	1.0E-08	2.4E-05	2.6E-07
Naphthalene	3.5	0.13	2.0E-02	4.5E-06	4.7E-08	2.3E-04	2.3E-06
Phenanthrene	0.23	0.13	3.0E-01	3.0E-07	3.1E-09	9.9E-07	1.0E-08
Pyrene	2.3	0.13	3.0E-02	3.0E-06	3.1E-08	9.9E-05	1.0E-06
TPH							
TPH (C17-C32 aromatic high)	486.8	0.1	4.0E-02	4.8E-04	5.0E-06	1.2E-02	1.3E-04
TPH (C19-C32 aliphatic high)	486.8	0.1	3.0E+00	4.8E-04	5.0E-06	1.6E-04	1.7E-06
TPH (C5-C8 aliphatic low)	608.2	0.1	NA	6.0E-04	6.3E-06	NA	NA
TPH (C6-C8 aromatic low)	608.2	0.1	4.0E-03	6.0E-04	6.3E-06	1.5E-01	1.6E-03
TPH (C9-C16 aromatic medium)	64.73	0.1	4.0E-03	6.4E-05	6.7E-07	1.6E-02	1.7E-04
TPH (C9-C18 aliphatic medium)	64.73	0.1	1.0E-02	6.4E-05	6.7E-07	6.4E-03	6.7E-05
VOCs							
1,2,4-Trimethylbenzene	29	0.1	1.0E-02	2.9E-05	3.0E-07	2.9E-03	3.0E-05
1,3,5-Trimethylbenzene	10	0.1	1.0E-02	9.9E-06	1.0E-07	9.9E-04	1.0E-05
4-Isopropyltoluene	8.3	0.1	1.0E-01	8.2E-06	8.6E-08	8.2E-05	8.6E-07
Acetone	0.94	0.1	9.0E-01	9.3E-07	9.7E-09	1.0E-06	1.1E-08
Benzene	0.0051	0.1	4.0E-03	5.1E-09	5.3E-11	1.3E-06	1.3E-08
Methylene chloride	1.6	0.1	6.0E-03	1.6E-06	1.7E-08	2.6E-04	2.8E-06
N-butylbenzene	5.4	0.1	5.0E-02	5.4E-06	5.6E-08	1.1E-04	1.1E-06
sec-Butylbenzene	0.82	0.1	1.0E-01	8.1E-07	8.5E-09	8.1E-06	8.5E-08
t-Butyl alcohol	0.013	0.1	NA	1.3E-08	1.3E-10	NA	NA
Tetrachloroethylene	0.0048	0.1	6.0E-03	4.8E-09	5.0E-11	7.9E-07	8.3E-09
Xylenes, total	0.75	0.1	2.0E-01	7.4E-07	7.7E-09	3.7E-06	3.9E-08
Total Hazard Index						9.7E-01	1.0E-02

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * IR-iw * FE * EFiw * EDiw * CF) / (BWiw * $AT_{noncancer}$))

Non-Intrusive Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * IR-Scw * FE * EFcw * EDcw * CF) / (BWcw * $AT_{noncancer}$))

Noncancer Hazard = ($INTAKE_{noncancer}$ / RfD)

Table A-3 - Health Hazards from Inhalation of Outdoor Air - Using Maximum Detected Concentrations

COPC	Exposure Point Concentration (mg/kg)	Inhalation Reference Concentrations (ug/m3)	Worker Exposure Scenario			
			Average Daily Intake (ug/m3)		Hazard Quotient (Unitless)	
			Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals						
Antimony	9.34	NA	5.1E-04	1.6E-06	NA	NA
Arsenic	25.87	1.5E-02	1.4E-03	4.5E-06	9.5E-02	3.0E-04
Barium	196	5.0E-01	1.1E-02	3.4E-05	2.1E-02	6.8E-05
Cadmium	2.7	1.0E-02	1.5E-04	4.7E-07	1.5E-02	4.7E-05
Chromium	26.2	NA	1.4E-03	4.5E-06	NA	NA
Cobalt	14	6.0E-03	7.7E-04	2.4E-06	1.3E-01	4.0E-04
Copper	127	NA	7.0E-03	2.2E-05	NA	NA
Mercury	1.23	3.0E-02	6.7E-05	2.1E-07	2.2E-03	7.1E-06
Molybdenum	1.97	NA	1.1E-04	3.4E-07	NA	NA
Nickel	52.2	1.4E-02	2.9E-03	9.1E-06	2.0E-01	6.5E-04
Thallium	3.15	NA	1.7E-04	5.5E-07	NA	NA
Vanadium	52.8	1.0E-01	2.9E-03	9.2E-06	2.9E-02	9.2E-05
Zinc	1260	NA	6.9E-02	2.2E-04	NA	NA
SVOCs						
Anthracene	0.016	1.2E+03	8.8E-07	2.8E-09	7.3E-10	2.3E-12
Benzo(a)pyrene	1.1174	2.0E-03	6.1E-05	1.9E-07	3.1E-02	9.7E-05
Benzo(g,h,i)perylene	1.6	1.2E+03	8.8E-05	2.8E-07	7.3E-08	2.3E-10
Fluoranthene	0.76	NA	4.2E-05	1.3E-07	NA	NA
Naphthalene	3.5	3.0E+00	1.9E-04	6.1E-07	6.4E-05	2.0E-07
Phenanthrene	0.23	1.2E+03	1.3E-05	4.0E-08	1.1E-08	3.3E-11
Pyrene	2.3	1.2E+02	1.3E-04	4.0E-07	1.1E-06	3.3E-09
TPH						
TPH (C17-C32 aromatic high)	486.8	NA	2.7E-02	8.4E-05	NA	NA
TPH (C19-C32 aliphatic high)	486.8	NA	2.7E-02	8.4E-05	NA	NA
TPH (C5-C8 aliphatic low)	608.2	6.0E+02	3.3E-02	1.1E-04	5.6E-05	1.8E-07
TPH (C6-C8 aromatic low)	608.2	3.0E+01	3.3E-02	1.1E-04	1.1E-03	3.5E-06
TPH (C9-C16 aromatic medium)	64.73	3.0E+00	3.5E-03	1.1E-05	1.2E-03	3.7E-06
TPH (C9-C18 aliphatic medium)	64.73	1.0E+02	3.5E-03	1.1E-05	3.5E-05	1.1E-07
VOCs						
1,2,4-Trimethylbenzene	29	6.0E+01	9.1E-02	3.8E-01	1.5E-03	6.3E-03
1,3,5-Trimethylbenzene	10	6.0E+01	7.6E-02	3.2E-01	1.3E-03	5.3E-03
4-Isopropyltoluene	8.3	4.0E+02	5.1E-01	2.1E+00	1.3E-03	5.4E-03
Acetone	0.94	3.1E+04	2.9E-03	1.2E-02	9.5E-08	4.0E-07
Benzene	0.0051	3.0E+00	9.6E-05	4.0E-04	3.2E-05	1.3E-04
Methylene chloride	1.6	4.0E+02	2.8E-02	1.2E-01	7.0E-05	2.9E-04
N-butylbenzene	5.4	2.0E+02	2.9E-02	1.2E-01	1.5E-04	6.1E-04
sec-Butylbenzene	0.82	4.0E+02	6.1E-03	2.5E-02	1.5E-05	6.3E-05
t-Butyl alcohol	0.013	3.0E+03	1.1E-04	4.7E-04	3.8E-08	1.6E-07
Tetrachloroethylene	0.0048	4.0E+01	8.8E-05	3.7E-04	2.2E-06	9.2E-06
Xylenes, total	0.75	1.0E+02	9.9E-03	4.1E-02	9.9E-05	4.1E-04
Total Hazard Index					5.3E-01	2.0E-02

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Intake Equations:

Intake (ug/m^3) = (CS * ET * EF * ED) / (VF * $AT_{noncancer}$))

Noncancer Hazard = ($INTAKE_{noncancer}$ / RfC)

Table A-4 - Cumulative Health Hazards from Multipathway Soil Exposure - Using Maximum Detected Concentrations

COPC	Exposure Point Conc. (mg/kg)	Worker Exposure Scenario							
		Construction Worker				Non-Intrusive Worker			
		Ingestion	Dermal	Inhalation	Total HI	Ingestion	Dermal	Inhalation	Total HI
Metals									
Antimony	9.34	1.6E-02	2.3E-03	NA	1.8E-02	2.0E-04	2.4E-05	NA	2.2E-04
Arsenic	25.87	5.0E+00	7.3E-01	9.5E-02	5.8E+00	6.3E-02	7.6E-03	3.0E-04	7.1E-02
Barium	196	6.6E-04	9.7E-05	2.1E-02	2.2E-02	8.4E-06	1.0E-06	6.8E-05	7.7E-05
Cadmium	2.7	1.8E-03	2.7E-05	1.5E-02	1.7E-02	2.3E-05	2.8E-07	4.7E-05	7.0E-05
Chromium	26.2	NA	NA	NA	--	NA	NA	NA	--
Cobalt	14	3.2E-02	4.6E-03	1.3E-01	1.6E-01	4.0E-04	4.8E-05	4.0E-04	8.5E-04
Copper	127	2.2E-03	3.1E-04	NA	2.5E-03	2.7E-05	3.3E-06	NA	3.0E-05
Mercury	1.23	5.2E-03	7.6E-04	2.2E-03	8.2E-03	6.6E-05	7.9E-06	7.1E-06	8.1E-05
Molybdenum	1.97	2.7E-04	3.9E-05	NA	3.1E-04	3.4E-06	4.1E-07	NA	3.8E-06
Nickel	52.2	3.2E-03	4.7E-04	2.0E-01	2.1E-01	4.1E-05	4.9E-06	6.5E-04	6.9E-04
Thallium	3.15	2.1E-01	3.1E-02	NA	2.4E-01	2.7E-03	3.3E-04	NA	3.0E-03
Vanadium	52.8	7.1E-03	1.0E-03	2.9E-02	3.7E-02	9.0E-05	1.1E-05	9.2E-05	1.9E-04
Zinc	1260	2.8E-03	4.2E-04	NA	3.3E-03	3.6E-05	4.3E-06	NA	4.0E-05
SVOCs									
Anthracene	0.016	3.6E-08	6.9E-08	7.3E-10	1.1E-07	4.6E-10	7.2E-10	2.3E-12	1.2E-09
Benzo(a)pyrene	1.1174	2.5E-03	4.8E-03	3.1E-02	3.8E-02	3.2E-05	5.0E-05	9.7E-05	1.8E-04
Benzo(g,h,i)perylene	1.6	3.6E-06	6.9E-06	7.3E-08	1.1E-05	4.6E-08	7.2E-08	2.3E-10	1.2E-07
Fluoranthene	0.76	1.3E-05	2.4E-05	NA	3.7E-05	1.6E-07	2.6E-07	NA	4.2E-07
Naphthalene	3.5	1.2E-04	2.3E-04	6.4E-05	4.1E-04	1.5E-06	2.3E-06	2.0E-07	4.1E-06
Phenanthrene	0.23	5.2E-07	9.9E-07	1.1E-08	1.5E-06	6.6E-09	1.0E-08	3.3E-11	1.7E-08
Pyrene	2.3	5.2E-05	9.9E-05	1.1E-06	1.5E-04	6.6E-07	1.0E-06	3.3E-09	1.7E-06
TPH									
TPH (C17-C32 aromatic high)	486.8	8.3E-03	1.2E-02	NA	2.0E-02	1.0E-04	1.3E-04	NA	2.3E-04
TPH (C19-C32 aliphatic high)	486.8	1.1E-04	1.6E-04	NA	2.7E-04	1.4E-06	1.7E-06	NA	3.1E-06
TPH (C5-C8 aliphatic low)	608.2	NA	NA	5.6E-05	5.6E-05	NA	NA	1.8E-07	1.8E-07
TPH (C6-C8 aromatic low)	608.2	1.0E-01	1.5E-01	1.1E-03	2.5E-01	1.3E-03	1.6E-03	3.5E-06	2.9E-03
TPH (C9-C16 aromatic medium)	64.73	1.1E-02	1.6E-02	1.2E-03	2.8E-02	1.4E-04	1.7E-04	3.7E-06	3.1E-04
TPH (C9-C18 aliphatic medium)	64.73	4.4E-03	6.4E-03	3.5E-05	1.1E-02	5.5E-05	6.7E-05	1.1E-07	1.2E-04
VOCs									
1,2,4-Trimethylbenzene	29	2.0E-03	2.9E-03	1.5E-03	6.4E-03	2.5E-05	3.0E-05	6.3E-03	6.4E-03
1,3,5-Trimethylbenzene	10	6.8E-04	9.9E-04	1.3E-03	2.9E-03	8.6E-06	1.0E-05	5.3E-03	5.3E-03
4-Isopropyltoluene	8.3	5.6E-05	8.2E-05	1.3E-03	1.4E-03	7.1E-07	8.6E-07	5.4E-03	5.4E-03
Acetone	0.94	7.1E-07	1.0E-06	9.5E-08	1.8E-06	8.9E-09	1.1E-08	4.0E-07	4.1E-07
Benzene	0.0051	8.6E-07	1.3E-06	3.2E-05	3.4E-05	1.1E-08	1.3E-08	1.3E-04	1.3E-04
Methylene chloride	1.6	1.8E-04	2.6E-04	7.0E-05	5.2E-04	2.3E-06	2.8E-06	2.9E-04	3.0E-04
N-butylbenzene	5.4	7.3E-05	1.1E-04	1.5E-04	3.3E-04	9.2E-07	1.1E-06	6.1E-04	6.2E-04
sec-Butylbenzene	0.82	5.6E-06	8.1E-06	1.5E-05	2.9E-05	7.0E-08	8.5E-08	6.3E-05	6.4E-05
t-Butyl alcohol	0.013	NA	NA	3.8E-08	3.8E-08	NA	NA	1.6E-07	1.6E-07
Tetrachloroethylene	0.0048	5.4E-07	7.9E-07	2.2E-06	3.5E-06	6.8E-09	8.3E-09	9.2E-06	9.2E-06
Xylenes, total	0.75	2.5E-06	3.7E-06	9.9E-05	1.1E-04	3.2E-08	3.9E-08	4.1E-04	4.1E-04
Total Hazard Index					6.9E+00				9.9E-02

Notes:
"nd" not detected
"--" not applicable or not available
"*" chemical not a COPC for combined soil

Table A-5 - Cancer Risks from Incidental Soil Ingestion - Using Maximum Detected Concentrations

COPC	Exposure Point Concentration (mg/kg)	Oral Slope Factor $(mg/kg\text{-}d)^{-1}$	Worker Exposure Scenario			
			Average Daily Intake (mg/kg-d)		Cancer Risk (Unitless)	
			Construction Worker	Non-Intrusive	Construction Worker	Non-Intrusive
Metals						
Antimony	9.34	NA	9.0E-08	2.9E-08	NA	NA
Arsenic	25.87	9.5E+00	2.5E-07	7.9E-08	2.4E-06	7.5E-07
Barium	196	NA	1.9E-06	6.0E-07	NA	NA
Cadmium	2.7	NA	2.6E-08	8.3E-09	NA	NA
Chromium	26.2	NA	2.5E-07	8.0E-08	NA	NA
Cobalt	14	NA	1.4E-07	4.3E-08	NA	NA
Copper	127	NA	1.2E-06	3.9E-07	NA	NA
Mercury	1.23	NA	1.2E-08	3.8E-09	NA	NA
Molybdenum	1.97	NA	1.9E-08	6.0E-09	NA	NA
Nickel	52.2	NA	5.1E-07	1.6E-07	NA	NA
Thallium	3.15	NA	3.1E-08	9.6E-09	NA	NA
Vanadium	52.8	NA	5.1E-07	1.6E-07	NA	NA
Zinc	1260	NA	1.2E-05	3.9E-06	NA	NA
SVOCs						
Anthracene	0.016	NA	1.5E-10	4.9E-11	NA	NA
Benzo(a)pyrene	1.1174	1.0E+00	1.1E-08	3.4E-09	1.1E-08	3.4E-09
Benzo(g,h,i)perylene	1.6	NA	1.5E-08	4.9E-09	NA	NA
Fluoranthene	0.76	NA	7.4E-09	2.3E-09	NA	NA
Naphthalene	3.5	1.2E-01	3.4E-08	1.1E-08	4.1E-09	1.3E-09
Phenanthrene	0.23	NA	2.2E-09	7.0E-10	NA	NA
Pyrene	2.3	NA	2.2E-08	7.0E-09	NA	NA
TPH						
TPH (C17-C32 aromatic high)	486.8	NA	4.7E-06	1.5E-06	NA	NA
TPH (C19-C32 aliphatic high)	486.8	NA	4.7E-06	1.5E-06	NA	NA
TPH (C5-C8 aliphatic low)	608.2	NA	5.9E-06	1.9E-06	NA	NA
TPH (C6-C8 aromatic low)	608.2	NA	5.9E-06	1.9E-06	NA	NA
TPH (C9-C16 aromatic medium)	64.73	NA	6.3E-07	2.0E-07	NA	NA
TPH (C9-C18 aliphatic medium)	64.73	NA	6.3E-07	2.0E-07	NA	NA
VOCs						
1,2,4-Trimethylbenzene	29	NA	2.8E-07	8.9E-08	NA	NA
1,3,5-Trimethylbenzene	10	NA	9.7E-08	3.1E-08	NA	NA
4-Isopropyltoluene	8.3	NA	8.0E-08	2.5E-08	NA	NA
Acetone	0.94	NA	9.1E-09	2.9E-09	NA	NA
Benzene	0.0051	1.0E-01	4.9E-11	1.6E-11	4.9E-12	1.6E-12
Methylene chloride	1.6	2.0E-03	1.5E-08	4.9E-09	3.1E-11	9.8E-12
N-butylbenzene	5.4	NA	5.2E-08	1.7E-08	NA	NA
sec-Butylbenzene	0.82	NA	7.9E-09	2.5E-09	NA	NA
t-Butyl alcohol	0.013	NA	1.3E-10	4.0E-11	NA	NA
Tetrachloroethylene	0.0048	5.4E-01	4.6E-11	1.5E-11	2.5E-11	7.9E-12
Xylenes, total	0.75	NA	7.3E-09	2.3E-09	NA	NA
Total Cancer Risk					2.4E-06	7.6E-07

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * IR-Siw * FE * EFiw * Ediw * CF) / (BWiw * AT_{cancer}))

Non-Intrusive Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * IR-Scw * FE * EFcw * EDcw * CF) / (BW_{cw} * AT_{cancer}))

Cancer Risk = ($INTAKE_{cancer}$ * CSF)

Table A-6 - Cancer Risks from Dermal Contact with Soil Using Maximum Detected Concentrations

COPC	Exposure Point Concentration (mg/kg)	Soil-to-Skin Absorption Factor (unitless)	Oral/Dermal Slope Factor $(mg/kg\text{-}d)^{-1}$	Worker Exposure Scenario			
				Average Daily Intake (mg/kg-d)		Cancer Risk (Unitless)	
				Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive
Metals							
Antimony	9.34	0.01	NA	1.3E-08	3.4E-09	NA	NA
Arsenic	25.87	0.01	9.5E+00	3.7E-08	9.5E-09	3.5E-07	9.1E-08
Barium	196	0.01	NA	2.8E-07	7.2E-08	NA	NA
Cadmium	2.7	0.001	NA	3.8E-10	1.0E-10	NA	NA
Chromium	26.2	0.01	NA	3.7E-08	9.7E-09	NA	NA
Cobalt	14	0.01	NA	2.0E-08	5.2E-09	NA	NA
Copper	127	0.01	NA	1.8E-07	4.7E-08	NA	NA
Mercury	1.23	0.01	NA	1.7E-09	4.5E-10	NA	NA
Molybdenum	1.97	0.01	NA	2.8E-09	7.3E-10	NA	NA
Nickel	52.2	0.01	NA	7.4E-08	1.9E-08	NA	NA
Thallium	3.15	0.01	NA	4.5E-09	1.2E-09	NA	NA
Vanadium	52.8	0.01	NA	7.5E-08	1.9E-08	NA	NA
Zinc	1260	0.01	NA	1.8E-06	4.6E-07	NA	NA
SVOCs							
Anthracene	0.016	0.13	NA	2.9E-10	7.7E-11	NA	NA
Benzo(a)pyrene	1.1174	0.13	1.0E+00	2.1E-08	5.4E-09	2.1E-08	5.4E-09
Benzo(g,h,i)perylene	1.6	0.13	NA	2.9E-08	7.7E-09	NA	NA
Fluoranthene	0.76	0.13	NA	1.4E-08	3.6E-09	NA	NA
Naphthalene	3.5	0.13	1.2E-01	6.4E-08	1.7E-08	7.7E-09	2.0E-09
Phenanthrene	0.23	0.13	NA	4.2E-09	1.1E-09	NA	NA
Pyrene	2.3	0.13	NA	4.2E-08	1.1E-08	NA	NA
TPH							
TPH (C17-C32 aromatic high)	486.8	0.1	NA	6.9E-06	1.8E-06	NA	NA
TPH (C19-C32 aliphatic high)	486.8	0.1	NA	6.9E-06	1.8E-06	NA	NA
TPH (C5-C8 aliphatic low)	608.2	0.1	NA	8.6E-06	2.2E-06	NA	NA
TPH (C6-C8 aromatic low)	608.2	0.1	NA	8.6E-06	2.2E-06	NA	NA
TPH (C9-C16 aromatic medium)	64.73	0.1	NA	9.2E-07	2.4E-07	NA	NA
TPH (C9-C18 aliphatic medium)	64.73	0.1	NA	9.2E-07	2.4E-07	NA	NA
VOCs							
1,2,4-Trimethylbenzene	29	0.1	NA	4.1E-07	1.1E-07	NA	NA
1,3,5-Trimethylbenzene	10	0.1	NA	1.4E-07	3.7E-08	NA	NA
4-Isopropyltoluene	8.3	0.1	NA	1.2E-07	3.1E-08	NA	NA
Acetone	0.94	0.1	NA	1.3E-08	3.5E-09	NA	NA
Benzene	0.0051	0.1	1.0E-01	7.2E-11	1.9E-11	7.2E-12	1.9E-12
Methylene chloride	1.6	0.1	2.0E-03	2.3E-08	5.9E-09	4.5E-11	1.2E-11
N-butylbenzene	5.4	0.1	NA	7.6E-08	2.0E-08	NA	NA
sec-Butylbenzene	0.82	0.1	NA	1.2E-08	3.0E-09	NA	NA
t-Butyl alcohol	0.013	0.1	NA	1.8E-10	4.8E-11	NA	NA
Tetrachloroethylene	0.0048	0.1	5.4E-01	6.8E-11	1.8E-11	3.7E-11	9.6E-12
Xylenes, total	0.75	0.1	NA	1.1E-08	2.8E-09	NA	NA
Total Cancer Risk						3.8E-07	9.8E-08

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * SAiw * AFiw * ABS * FE * EFiw * EDiw * CF) / (BWiw * AT_{cancer}))

Non-Intrusive Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * SAcw * AFcw * ABS * FE * EFcw * EDcw * CF) / (BWcw * AT_{cancer}))

Cancer Risk = ($INTAKE_{cancer}$ * CSF)

Table A-7 Cancer Risks from Inhalation of Outdoor Air - Using Maximum Detected Concentrations						
COPC	Exposure Point Concentration (mg/kg)	Inhalation Unit Risk $(ug/m^3)^{-1}$	Worker Exposure Scenario			
			Average Daily Intake (ug/m^3)		Cancer Risk (Unitless)	
			Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals						
Antimony	9.34	NA	7.3E-06	5.8E-07	NA	NA
Arsenic	25.87	4.3E-03	2.0E-05	1.6E-06	8.7E-08	6.9E-09
Barium	196	NA	1.5E-04	1.2E-05	NA	NA
Cadmium	2.7	4.2E-03	2.1E-06	1.7E-07	8.9E-09	7.0E-10
Chromium	26.2	NA	2.1E-05	1.6E-06	NA	NA
Cobalt	14	9.0E-03	1.1E-05	8.7E-07	9.9E-08	7.8E-09
Copper	127	NA	9.9E-05	7.9E-06	NA	NA
Mercury	1.23	NA	9.6E-07	7.6E-08	NA	NA
Molybdenum	1.97	NA	1.5E-06	1.2E-07	NA	NA
Nickel	52.2	2.6E-04	4.1E-05	3.2E-06	1.1E-08	8.4E-10
Thallium	3.15	NA	2.5E-06	2.0E-07	NA	NA
Vanadium	52.8	NA	4.1E-05	3.3E-06	NA	NA
Zinc	1260	NA	9.9E-04	7.8E-05	NA	NA
SVOCs						
Anthracene	0.016	NA	1.3E-08	9.9E-10	NA	NA
Benzo(a)pyrene	1.1174	1.1E-03	8.7E-07	6.9E-08	9.6E-10	7.6E-11
Benzo(g,h,i)perylene	1.6	NA	1.3E-06	9.9E-08	NA	NA
Fluoranthene	0.76	NA	5.9E-07	4.7E-08	NA	NA
Naphthalene	3.5	3.4E-05	2.7E-06	2.2E-07	9.3E-11	7.4E-12
Phenanthrene	0.23	NA	1.8E-07	1.4E-08	NA	NA
Pyrene	2.3	NA	1.8E-06	1.4E-07	NA	NA
TPH						
TPH (C17-C32 aromatic h	486.8	NA	3.8E-04	3.0E-05	NA	NA
TPH (C19-C32 aliphatic h	486.8	NA	3.8E-04	3.0E-05	NA	NA
TPH (C5-C8 aliphatic low	608.2	NA	4.8E-04	3.8E-05	NA	NA
TPH (C6-C8 aromatic low	608.2	NA	4.8E-04	3.8E-05	NA	NA
TPH (C9-C16 aromatic m	64.73	NA	5.1E-05	4.0E-06	NA	NA
TPH (C9-C18 aliphatic m	64.73	NA	5.1E-05	4.0E-06	NA	NA
VOCs						
1,2,4-Trimethylbenzene	29	NA	1.3E-03	1.4E-01	NA	NA
1,3,5-Trimethylbenzene	10	NA	1.1E-03	1.1E-01	NA	NA
4-Isopropyltoluene	8.3	NA	7.4E-03	7.7E-01	NA	NA
Acetone	0.94	NA	4.2E-05	4.4E-03	NA	NA
Benzene	0.0051	2.9E-05	1.4E-06	1.4E-04	4.0E-11	4.2E-09
Methylene chloride	1.6	1.0E-06	4.0E-04	4.2E-02	4.0E-10	4.2E-08
N-butylbenzene	5.4	NA	4.2E-04	4.4E-02	NA	NA
sec-Butylbenzene	0.82	NA	8.7E-05	9.1E-03	NA	NA
t-Butyl alcohol	0.013	NA	1.6E-06	1.7E-04	NA	NA
Tetrachloroethylene	0.0048	6.1E-06	1.3E-06	1.3E-04	7.7E-12	8.0E-10
Xylenes, total	0.75	NA	1.4E-04	1.5E-02	NA	NA
Total Cancer Risk					2.1E-07	6.3E-08

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Intake Equations:

VOC Exposure Concentratic $INTAKE_{cancer}$ (mg/kg-day) = (CS * EFiw * EDiw * (1/PEF) * IR-Aiw) / (BWiw * AT_{cancer}))

Cancer Risk = ($INTAKE_{cancer}$ $INTAKE_{cancer}$ (mg/kg-day) = (CS * EFcw * EDcw * (1/PEF) * IR-Acw) / (BWcw * AT_{cancer}))

Table A-8 - Cumulative Cancer Risks from Multipathway Soil Exposure - Using Maximum Detected Concentrations

COPC	Exposure Point Conc. (mg/kg)	Worker Exposure Scenario							
		Construction Worker				Non-Intrusive Worker			
		Ingestion	Dermal	Inhalation	Total Risk	Ingestion	Dermal	Inhalation	Total Risk
Metals									
Antimony	9.34	NA	NA	NA	--	NA	NA	NA	--
Arsenic	25.87	2.4E-06	3.5E-07	8.7E-08	2.8E-06	7.5E-07	9.1E-08	6.9E-09	8.5E-07
Barium	196	NA	NA	NA	--	NA	NA	NA	--
Cadmium	2.7	NA	NA	8.9E-09	8.9E-09	NA	NA	7.0E-10	7.0E-10
Chromium	26.2	NA	NA	NA	--	NA	NA	NA	--
Cobalt	14	NA	NA	9.9E-08	9.9E-08	NA	NA	7.8E-09	7.8E-09
Copper	127	NA	NA	NA	--	NA	NA	NA	--
Mercury	1.23	NA	NA	NA	--	NA	NA	NA	--
Molybdenum	1.97	NA	NA	NA	--	NA	NA	NA	--
Nickel	52.2	NA	NA	1.1E-08	1.1E-08	NA	NA	8.4E-10	8.4E-10
Thallium	3.15	NA	NA	NA	--	NA	NA	NA	--
Vanadium	52.8	NA	NA	NA	--	NA	NA	NA	--
Zinc	1260	NA	NA	NA	--	NA	NA	NA	--
SVOCs									
Anthracene	0.016	NA	NA	NA	--	NA	NA	NA	--
Benzo(a)pyrene	1.1174	1.1E-08	2.1E-08	9.6E-10	3.2E-08	3.4E-09	5.4E-09	7.6E-11	8.9E-09
Benzo(g,h,i)perylene	1.6	NA	NA	NA	--	NA	NA	NA	--
Fluoranthene	0.76	NA	NA	NA	--	NA	NA	NA	--
Naphthalene	3.5	4.1E-09	7.7E-09	9.3E-11	1.2E-08	1.3E-09	2.0E-09	7.4E-12	3.3E-09
Phenanthrene	0.23	NA	NA	NA	--	NA	NA	NA	--
Pyrene	2.3	NA	NA	NA	--	NA	NA	NA	--
TPH									
TPH (C17-C32 aromatic high)	486.8	NA	NA	NA	--	NA	NA	NA	--
TPH (C19-C32 aliphatic high)	486.8	NA	NA	NA	--	NA	NA	NA	--
TPH (C5-C8 aliphatic low)	608.2	NA	NA	NA	--	NA	NA	NA	--
TPH (C6-C8 aromatic low)	608.2	NA	NA	NA	--	NA	NA	NA	--
TPH (C9-C16 aromatic medium)	64.73	NA	NA	NA	--	NA	NA	NA	--
TPH (C9-C18 aliphatic medium)	64.73	NA	NA	NA	--	NA	NA	NA	--
VOCs									
1,2,4-Trimethylbenzene	29	NA	NA	NA	--	NA	NA	NA	--
1,3,5-Trimethylbenzene	10	NA	NA	NA	--	NA	NA	NA	--
4-Isopropyltoluene	8.3	NA	NA	NA	--	NA	NA	NA	--
Acetone	0.94	NA	NA	NA	--	NA	NA	NA	--
Benzene	0.0051	4.9E-12	7.2E-12	4.0E-11	5.2E-11	1.6E-12	1.9E-12	4.2E-09	4.2E-09
Methylene chloride	1.6	3.1E-11	4.5E-11	4.0E-10	4.8E-10	9.8E-12	1.2E-11	4.2E-08	4.2E-08
N-butylbenzene	5.4	NA	NA	NA	--	NA	NA	NA	--
sec-Butylbenzene	0.82	NA	NA	NA	--	NA	NA	NA	--
t-Butyl alcohol	0.013	NA	NA	NA	--	NA	NA	NA	--
Tetrachloroethylene	0.0048	2.5E-11	3.7E-11	7.7E-12	7.0E-11	7.9E-12	9.6E-12	8.0E-10	8.2E-10
Xylenes, total	0.75	NA	NA	NA	--	NA	NA	NA	--
Total Cancer Risk					3.0E-06				9.2E-07

Notes:

"nd" not detected

"--" not applicable or not available

"*" chemical not a COPC for combined soil

Table A-9 - Estimated Hazard Quotients from Inhalation of Ambient Air - Offsite Neighbor Residential Exposure Scenario

COPC	Outdoor Air Concentration (ug/m^3)	Inhalation Reference Dose3 (ug/m^3)	Offsite Residential Exposure Scenario	
			Average Exposure Conc_nc (ug/m^3)	Hazard Quotient (Unitless)
1,1-Dichloroethane	9.2E-03	8.0E+02	9.2E-03	1.E-05
1,2,4-Trimethylbenzene	4.4E-03	6.0E+01	4.4E-03	7.E-05
1,3,5-Trimethylbenzene	2.5E-03	6.0E+01	2.5E-03	4.E-05
Benzene	6.8E-04	3.0E+00	6.8E-04	2.E-04
Chloroform	1.2E-03	9.8E+01	1.2E-03	1.E-05
Dichlorodifluoromethane	1.9E-03	1.0E+02	1.9E-03	2.E-05
Naphthalene	3.4E-04	3.0E+00	3.4E-04	1.E-04
Tetrachloroethylene	3.8E-02	4.0E+01	3.8E-02	1.E-03
Trichloroethylene	9.9E-03	2.0E+00	9.9E-03	5.E-03
Trichlorotrifluoroethane	1.4E-03	5.0E+03	1.4E-03	3.E-07
Total Hazard Index				6.E-03

Notes:

Hazard quotients estimated assuming an exposure duration of 2.5 years.

ug/m^3 = Micrograms per cubic meter of air.

Table A-10 - Estimated Cancer Risks from Inhalation of Ambient Air - Offsite Neighbor Residential Exposure Scenario				
COPC	Outdoor Air Chemical Concentration (ug/m^3)	Inhalation Unit Risk $(ug/m^3)^{-1}$	Offsite Residential Exposure Scenario	
			Lifetime Exposure Conc_c (ug/m^3)	Cancer Risk (Unitless)
1,1-Dichloroethane	9.2E-03	1.6E-06	3.4E-03	5.E-09
1,2,4-Trimethylbenzene	4.4E-03	NA	1.6E-03	NA
1,3,5-Trimethylbenzene	2.5E-03	NA	9.3E-04	NA
Benzene	6.8E-04	2.9E-05	2.5E-04	7.E-09
Chloroform	1.2E-03	2.3E-05	4.3E-04	1.E-08
Dichlorodifluoromethane	1.9E-03	NA	6.9E-04	NA
Naphthalene	3.4E-04	3.4E-05	1.3E-04	4.E-09
Tetrachloroethylene	3.8E-02	6.1E-06	1.4E-02	9.E-08
Trichloroethylene	9.9E-03	4.1E-06	3.7E-03	2.E-08
Trichlorotrifluoroethane	1.4E-03	NA	5.0E-04	NA
Total Cancer Risk				**1.E-07**

Notes:

Cancer risks estimated assuming an exposure duration of 2.5 years.

ug/m^3 = Micrograms per cubic meter of air.

APPENDIX B

ProUCL Printouts

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.12/22/2020 12:16:53 PM
From File	N&M Riverside Stats.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic (mg/Kg)

General Statistics

Total Number of Observations	38	Number of Distinct Observations	34
Number of Detects	33	Number of Non-Detects	5
Number of Distinct Detects	33	Number of Distinct Non-Detects	1
Minimum Detect	1.28	Minimum Non-Detect	1
Maximum Detect	94	Maximum Non-Detect	1
Variance Detects	466.9	Percent Non-Detects	13.16%
Mean Detects	12.9	SD Detects	21.61
Median Detects	4.52	CV Detects	1.675
Skewness Detects	2.76	Kurtosis Detects	7.179
Mean of Logged Detect	1.835	SD of Logged Detect	1.045

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.534	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.931	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.38	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.152	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

KM Mean	11.34	KM Standard Error of Mean	3.333
KM SD	20.23	95% KM (BCA) UCL	17.2
95% KM (t) UCL	16.96	95% KM (Percentile Bootstrap) UCL	17.3
95% KM (z) UCL	16.82	95% KM Bootstrap t UCL	21.08
90% KM Chebyshev UCL	21.34	95% KM Chebyshev UCL	25.87
97.5% KM Chebyshev UCL	32.15	99% KM Chebyshev UCL	44.5

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	3.807	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.784	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.3	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.159	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.819	k star (bias corrected MLE)	0.764
Theta hat (MLE)	15.76	Theta star (bias corrected MLE	16.88
nu hat (MLE)	54.02	nu star (bias corrected)	50.45
Mean (detects)	12.9		

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 detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	11.21
Maximum	94	Median	4.1
SD	20.57	CV	1.836
k hat (MLE)	0.452	k star (bias corrected MLE)	0.433
Theta hat (MLE)	24.82	Theta star (bias corrected MLE	25.85
nu hat (MLE)	34.32	nu star (bias corrected)	32.94
Adjusted Level of Significance (β	0.0434		
Approximate Chi Square Value (32.94, (	20.82	Adjusted Chi Square Value (32.94, |	20.42
95% Gamma Approximate UCL (use when n>=50	17.73	95% Gamma Adjusted UCL (use when n<50	18.08

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	11.34	SD (KM)	20.23
Variance (KM)	409.4	SE of Mean (KM)	3.333
k hat (KM)	0.314	k star (KM)	0.307
nu hat (KM)	23.86	nu star (KM)	23.31
theta hat (KM)	36.11	theta star (KM)	36.96
80% gamma percentile (KM)	17.48	90% gamma percentile (KM)	33.35
95% gamma percentile (KM)	51.49	99% gamma percentile (KM)	98.52

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (23.31, (	13.33	Adjusted Chi Square Value (23.31, |	13.01
95% Gamma Approximate KM-UCL (use when n>=50	19.83	95% Gamma Adjusted KM-UCL (use when n<50	20.31

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.843	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.931	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.215	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.152	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	11.29	Mean in Log Scale	1.532
SD in Original Scale	20.53	SD in Log Scale	1.258
95% t UCL (assumes normality of ROS data	16.91	95% Percentile Bootstrap UC	17.52
95% BCA Bootstrap UCI	19.36	95% Bootstrap t UCI	20.94
95% H-UCL (Log ROS)	17.86		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.593	KM Geo Mean	4.919
KM SD (logged)	1.142	95% Critical H Value (KM-Log)	2.563
KM Standard Error of Mean (logged	0.188	95% H-UCL (KM -Log)	15.28
KM SD (logged)	1.142	95% Critical H Value (KM-Log)	2.563
KM Standard Error of Mean (logged	0.188		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	11.27	Mean in Log Scale	1.502
SD in Original Scale	20.54	SD in Log Scale	1.302
95% t UCL (Assumes normality)	16.89	95% H-Stat UCL	18.92

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 (Chebyshev) UCL	25.87

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

TPHg (mg/Kg)

General Statistics

Total Number of Observations	52	Number of Distinct Observations	26
Number of Detects	3	Number of Non-Detects	49
Number of Distinct Detects	3	Number of Distinct Non-Detects	23
Minimum Detect	3.7	Minimum Non-Detect	2.04
Maximum Detect	6900	Maximum Non-Detect	75
Variance Detects	14227305	Percent Non-Detects	94.23%
Mean Detects	4335	SD Detects	3772
Median Detects	6100	CV Detects	0.87
Skewness Detects	-1.645	Kurtosis Detects	N/A
Mean of Logged Detect	6.288	SD of Logged Detect	4.313

Warning: Data set has only 3 Detected Values.
This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.836	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.347	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.425	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

KM Mean	252	KM Standard Error of Mean	212.7
KM SD	1252	95% KM (BCA) UCL	N/A
95% KM (t) UCL	608.2	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	601.8	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	890	95% KM Chebyshev UCL	1179
97.5% KM Chebyshev UCL	1580	99% KM Chebyshev UCL	2368

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	0.326	k star (bias corrected MLE)	N/A
Theta hat (MLE)	13295	Theta star (bias corrected MLE	N/A
nu hat (MLE)	1.956	nu star (bias corrected)	N/A
Mean (detects)	4335		

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 detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	250.1
Maximum	6900	Median	0.01
SD	1265	CV	5.057
k hat (MLE)	0.087	k star (bias corrected MLE)	0.0948
Theta hat (MLE)	2875	Theta star (bias corrected MLE	2639
nu hat (MLE)	9.045	nu star (bias corrected)	9.856
Adjusted Level of Significance (β	0.0454		
Approximate Chi Square Value (9.86, α	3.852	Adjusted Chi Square Value (9.86, β	3.745
95% Gamma Approximate UCL (use when n>=50	639.9	95% Gamma Adjusted UCL (use when n<50	N/A

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	252	SD (KM)	1252
Variance (KM)	1567657	SE of Mean (KM)	212.7
k hat (KM)	0.0405	k star (KM)	0.051
nu hat (KM)	4.213	nu star (KM)	5.303
theta hat (KM)	6221	theta star (KM)	4942
80% gamma percentile (KM)	36.6	90% gamma percentile (KM)	394.5
95% gamma percentile (KM)	1350	99% gamma percentile (KM)	5439

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (5.30, α	1.295	Adjusted Chi Square Value (5.30, β	1.24
95% Gamma Approximate KM-UCL (use when n>=50	1032	95% Gamma Adjusted KM-UCL (use when n<50	1078

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.762	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.767	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.38	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.425	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Approximate Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	250.1	Mean in Log Scale	-19.07
SD in Original Scale	1265	SD in Log Scale	9.094
95% t UCL (assumes normality of ROS data	543.9	95% Percentile Bootstrap UCL	530.8
95% BCA Bootstrap UCL	719.2	95% Bootstrap t UCL	616483
95% H-UCL (Log ROS)	3.517E+17		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	1.035	KM Geo Mean	2.815
KM SD (logged)	1.551	95% Critical H Value (KM-Log)	2.979
KM Standard Error of Mean (loggec	0.263	95% H-UCL (KM -Log)	17.89
KM SD (logged)	1.551	95% Critical H Value (KM-Log)	2.979
KM Standard Error of Mean (loggec	0.263		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	252	Mean in Log Scale	0.699
SD in Original Scale	1264	SD in Log Scale	1.705
95% t UCL (Assumes normality)	545.8	95% H-Stat UCL	18.38

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	608.2

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

TPHd (mg/Kg)

General Statistics

Total Number of Observations	52	Number of Distinct Observations	9
Number of Detects	7	Number of Non-Detects	45
Number of Distinct Detects	6	Number of Distinct Non-Detects	3
Minimum Detect	13	Minimum Non-Detect	10
Maximum Detect	600	Maximum Non-Detect	500
Variance Detects	41731	Percent Non-Detects	86.54%
Mean Detects	151.1	SD Detects	204.3
Median Detects	75	CV Detects	1.352
Skewness Detects	2.315	Kurtosis Detects	5.675
Mean of Logged Detect	4.344	SD of Logged Detect	1.286

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.678	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.803	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.379	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.304	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

KM Mean	29.85	KM Standard Error of Mean	12.78
KM SD	84.8	95% KM (BCA) UCL	52.31
95% KM (t) UCL	51.26	95% KM (Percentile Bootstrap) UCL	51.38
95% KM (z) UCL	50.87	95% KM Bootstrap t UCL	82.93

90% KM Chebyshev UCL	68.18	95% KM Chebyshev UCL	85.55
97.5% KM Chebyshev UCL	109.7	99% KM Chebyshev UCL	157

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.378	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.732	Detected data appear Gamma Distributed at 5% Significance Lev
K-S Test Statistic	0.242	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.321	Detected data appear Gamma Distributed at 5% Significance Lev

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.871	k star (bias corrected MLE)	0.593
Theta hat (MLE)	173.6	Theta star (bias corrected MLE	255
nu hat (MLE)	12.19	nu star (bias corrected)	8.297
Mean (detects)	151.1		

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 detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	20.35
Maximum	600	Median	0.01
SD	87.31	CV	4.289
k hat (MLE)	0.123	k star (bias corrected MLE)	0.129
Theta hat (MLE)	165.2	Theta star (bias corrected MLE	157.9
nu hat (MLE)	12.81	nu star (bias corrected)	13.41
Adjusted Level of Significance (β	0.0454		
Approximate Chi Square Value (13.41, (	6.168	Adjusted Chi Square Value (13.41, |	6.027
95% Gamma Approximate UCL (use when n>=50	44.25	95% Gamma Adjusted UCL (use when n<50	45.28

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	29.85	SD (KM)	84.8
Variance (KM)	7190	SE of Mean (KM)	12.78
k hat (KM)	0.124	k star (KM)	0.13
nu hat (KM)	12.88	nu star (KM)	13.47
theta hat (KM)	240.9	theta star (KM)	230.4
80% gamma percentile (KM)	28.42	90% gamma percentile (KM)	86.19
95% gamma percentile (KM)	168.5	99% gamma percentile (KM)	415.1

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (13.47, (	6.213	Adjusted Chi Square Value (13.47, |	6.072
95% Gamma Approximate KM-UCL (use when n>=50	64.73	95% Gamma Adjusted KM-UCL (use when n<50	66.23

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.953	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.803	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.185	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.304	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	22.08	Mean in Log Scale	-0.152
SD in Original Scale	86.95	SD in Log Scale	2.719
95% t UCL (assumes normality of ROS data	42.28	95% Percentile Bootstrap UC	43.27
95% BCA Bootstrap UCI	57.77	95% Bootstrap t UCI	87.64
95% H-UCL (Log ROS)	201.2		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	2.6	KM Geo Mean	13.46
KM SD (logged)	0.843	95% Critical H Value (KM-Log)	2.154
KM Standard Error of Mean (loggec	0.13	95% H-UCL (KM -Log)	24.76
KM SD (logged)	0.843	95% Critical H Value (KM-Log)	2.154
KM Standard Error of Mean (loggec	0.13		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	49	Mean in Log Scale	2.416
SD in Original Scale	108.5	SD in Log Scale	1.47
95% t UCL (Assumes normality)	74.2	95% H-Stat UCL	59.62

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCI	64.73

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

TPHmo (mg/Kg)

General Statistics

Total Number of Observations	52	Number of Distinct Observations	21
Number of Detects	26	Number of Non-Detects	26
Number of Distinct Detects	19	Number of Distinct Non-Detects	3
Minimum Detect	10	Minimum Non-Detect	10
Maximum Detect	3100	Maximum Non-Detect	500
Variance Detects	456423	Percent Non-Detects	50%
Mean Detects	348	SD Detects	675.6
Median Detects	18	CV Detects	1.941
Skewness Detects	3.084	Kurtosis Detects	11.01
Mean of Logged Detect	4.149	SD of Logged Detect	1.946

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.572	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.92	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.308	**Lilliefors GOF Test**

5% Lilliefors Critical Value	0.17	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

KM Mean	179.8	KM Standard Error of Mea	70.45
KM SD	498	95% KM (BCA) UCL	316.6
95% KM (t) UCL	297.8	95% KM (Percentile Bootstrap) UC	302.1
95% KM (z) UCL	295.6	95% KM Bootstrap t UCI	418
90% KM Chebyshev UCL	391.1	95% KM Chebyshev UCL	486.8
97.5% KM Chebyshev UCI	619.7	99% KM Chebyshev UCL	880.7

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.196	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.833	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.278	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.184	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.388	k star (bias corrected MLE)	0.369
Theta hat (MLE)	896.4	Theta star (bias corrected MLE	942.9
nu hat (MLE)	20.19	nu star (bias corrected)	19.19
Mean (detects)	348		

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 detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	174
Maximum	3100	Median	5.005
SD	504.6	CV	2.9
k hat (MLE)	0.144	k star (bias corrected MLE)	0.148
Theta hat (MLE)	1212	Theta star (bias corrected MLE	1175
nu hat (MLE)	14.93	nu star (bias corrected)	15.4
Adjusted Level of Significance (β	0.0454		
Approximate Chi Square Value (15.40, (	7.543	Adjusted Chi Square Value (15.40, |	7.386
95% Gamma Approximate UCL (use when n>=50	355.4	95% Gamma Adjusted UCL (use when n<50	362.9

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	179.8	SD (KM)	498
Variance (KM)	247969	SE of Mean (KM)	70.45
k hat (KM)	0.13	k star (KM)	0.136
nu hat (KM)	13.55	nu star (KM)	14.1
theta hat (KM)	1380	theta star (KM)	1326
80% gamma percentile (KM)	179	90% gamma percentile (KM)	524.1
95% gamma percentile (KM)	1008	99% gamma percentile (KM)	2441

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (14.10, (	6.642	Adjusted Chi Square Value (14.10, |	6.495

95% Gamma Approximate KM-UCL (use when n>=5(	381.7	95% Gamma Adjusted KM-UCL (use when n<5(	390.3

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.819	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.92	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.271	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.17	Detected Data Not Lognormal at 5% Significance Level

Detected Data Not Lognormal at 5% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	174.6	Mean in Log Scale	1.713
SD in Original Scale	504.4	SD in Log Scale	3.065
95% t UCL (assumes normality of ROS data	291.8	95% Percentile Bootstrap UC	299
95% BCA Bootstrap UCI	345.9	95% Bootstrap t UCI	429.2
95% H-UCL (Log ROS)	5476		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	3.238	KM Geo Mean	25.49
KM SD (logged)	1.637	95% Critical H Value (KM-Log)	3.09
KM Standard Error of Mean (loggec	0.233	95% H-UCL (KM -Log)	197.7
KM SD (logged)	1.637	95% Critical H Value (KM-Log)	3.09
KM Standard Error of Mean (loggec	0.233		

DL/2 Statistics

DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	181.6	Mean in Log Scale	2.986
SD in Original Scale	503.1	SD in Log Scale	1.888
95% t UCL (Assumes normality)	298.5	95% H-Stat UCL	290.9

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 (Chebyshev) UCL 486.8

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

APPENDIX C

Adult Lead Model

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELMIINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

Variable	Description of Variable	Units	
PbS	Soil lead concentration	ug/g or ppm	430
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD_i	Geometric standard deviation PbB	--	1.8
PbB_0	Baseline PbB	ug/dL	0.0
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	250
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365
PbB_{adult}	**PbB of adult worker, geometric mean**	**ug/dL**	**0.7**
$PbB_{fetal, 0.90}$	90th percentile PbB among fetuses of adult workers	ug/dL	1.4
PbB_t	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	**1.0**
$P(PbB_{fetal} > PbB_t)$	**Probability that fetal PbB > PbB_t, assuming lognormal distribution**	**%**	**22.1%**

PRG90 **318**

Click here for REFERENCES

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

475 Goddard, Suite 200 | Irvine, California 92618 | p. 949.753.7070

ARIZONA | CALIFORNIA | COLORADO | NEVADA | TEXAS | UTAH

www.ninyoandmoore.com

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Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

May 13, 2020

Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, 3rd Floor
Riverside, California 92501

APPROVAL OF REVISED LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT AND HUMAN HEALTH RISK ASSESSMENT WORK PLAN, 10 APNS ADJACENT TO THE RIVERSIDE DOWNTOWN METROLINK STATION, RIVERSIDE, CALIFORNIA 92502 (SITE CODE: 401863)

Dear Mr. Casillas:

The Department of Toxic Substances Control (DTSC) reviewed the Revised Limited Phase II Environmental Site Assessment (Report) and Revised Human Health Risk Assessment (HHRA) dated April 30, and May 12, 2020 prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) for the above referenced site (Site).

The Site is comprised of ten parcels encompassing approximately 7 acres adjacent to the Riverside Downtown Metrolink Station in Riverside, California. RCTC proposes to purchase these properties and develop them into a parking lot as a part of the Riverside Downtown Metrolink Station project. DTSC earlier commented on Reports dated September 23, 2019 in October 2019; December 3, 2019 in December 2019; March 30, 2020 and April 2, 2020 in April 2020.

The Report presented soil and soil vapor sampling procedures, analytical data and recommendations. The objectives of the assessment were to establish the presence of chemicals of potential concern (COPCs) in soil and soil vapor and their potential threat to construction workers, public health, and the environment at the Site.

The assessment was conducted in accordance with the Technical Memorandum Work Plan (Workplan) dated May 28, 2019. DTSC approved the Workplan by a letter dated June 7, 2019.

Printed on Recycled Paper

Based on the review of the revised Report and HHRA, DTSC noted that comments and concerns are adequately addressed and hereby approves the Report and HHRA. Should you have any questions, please contact me at (818) 717-6552.

Sincerely,

Chand Sultana, Ph.D., M.B.A.
Project Manager
Site Mitigation & Restoration Program - Chatsworth Office

cc: John Jay Roberts, PG, CEG (via e-mail)
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

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Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

August 19, 2020
Project No. 209691009

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor
Riverside, California 92502

Subject: Addendum to the Limited Phase II Environmental Site Assessment 10 APNs Adjacent to Riverside Downtown Metrolink Station, Riverside, California, for the Adjoining SolarMax Property
3080 12th Street
Riverside, California 92507

References: Ninyo & Moore, 2020, Limited Phase II Environmental Site Assessment, 10 APNs Adjacent to the Riverside Downtown Metrolink Station, Riverside, California, dated April 30.

Ninyo & Moore, 2020, Human Health Risk Assessment, Proposed Metrolink Train Station Platform, 10 APNs Adjacent to the Riverside Downtown Metrolink Station, Riverside, California, dated May 8.

Dear Mr. Casillas:

In accordance with your request and authorization, Ninyo & Moore has performed environmental sampling of subsurface soils and chemical analysis for the portion of the SolarMax Property at 3080 12th Street, Riverside, California (site; Figure 1). This sampling and analysis is intended as an Addendum to the referenced Limited Phase II Environmental Site Assessment and Human Health Risk Assessment conducted for the proposed parking lot located adjoining to the north of the site. This letter presents the methodology, soil sampling activities, laboratory analysis, and a discussion of the results.

PURPOSE

The purpose of the environmental testing was to evaluate the concentrations of Title 22 Metals and polycyclic aromatic hydrocarbons (PAHs) in the subsurface beneath the site. The scope of the sampling and analysis was approved by the Department of Toxic Substances Control (DTSC) via email on June 29, 2020.

FIELD ACTIVITIES

Ninyo & Moore performed fieldwork in accordance with industry standard field procedures, applicable regulatory guidelines, under the oversight of a Ninyo & Moore California-licensed Professional Geologist. The following describes activities conducted during the field evaluation.

On July 8, 2020, three boring locations (B1 through B3) were cored to expose soils beneath the paved surface. The site surface consisted of approximately 4 to 6 inches of asphalt. The underlying soil was primarily comprised of firm silt with gravel and asphalt fragments. Discoloration, stains, or odors were not observed in the soil cuttings or samples collected. Ninyo & Moore collected six soil samples at the first soil encountered (approximately 6 inches) and approximately 2 feet below ground surface (bgs) using a stainless steel hand auger and slide hammer along the northwest property line at the sampling locations (Figure 2).

Soil samples were collected inside a pre-cleaned stainless steel sleeve from each boring at approximately 0.5 feet and 2 feet bgs using a slide hammer. Soil samples were capped on both ends with a Teflon sheet and a plastic sleeve cap. The sample containers were labeled, placed in an ice chilled cooler, and transported within 24 hours after their collection following standard chain-of-custody protocols to Enthalpy Analytical of Orange, California, a State-certified Environmental Laboratory Accreditation Program fixed environmental laboratory.

Soil cuttings and decontamination water were stored in one 55-gallon drum. One composite soil sample was collected from the drum and analyzed for total petroleum hydrocarbons, volatile organic compounds, and Title 22 Metals in accordance with United States Environmental Protection Agency (EPA) Methods 8015B, 8260B, and 6010B/7471A, respectively. Based on analytical results of the composite soil sample, the waste was considered non-hazardous. The waste drum was removed and disposed off-site by Belshire Environmental Services on August 10, 2020. The waste manifest is provided in Attachment A.

RESULTS

Soil samples collected from the three borings were analyzed for Title 22 Metals and polycyclic aromatic hydrocarbons (PAHs) in general accordance with EPA Methods 6010B/7471A and 8270 SIM, respectively. Analytical results were compared to the DTSC Human and Ecological Risk Office Human Health Risk Assessment Screening Levels and the United States EPA Regional Screening Levels. Arsenic concentrations were also compared against the DTSC Acceptable Clean Up Levels. A summary of laboratory results is presented in Tables 1 and 2. A copy of the laboratory analytical report is included in Attachment B.

The following summarizes soil analytical laboratory results:

- **Title 22 Metals** – Title 22 Metals were not reported above their respective screening levels in the soil samples collected, except for arsenic, which was reported in the six soil samples at concentrations ranging from 4.2 milligrams per kilograms (mg/kg) to 5.9 mg/kg. The arsenic concentrations are still below the DTSC Acceptable Clean Up Levels for arsenic (12 mg/kg).

- **PAHs** – Several PAHs were detected in the soil samples analyzed but were not reported above their respective screening levels in the soil samples collected.

CONCLUSIONS AND RECOMMENDATIONS

Soil sample results of Title 22 Metals and PAHs from this environmental testing service were below their respective screening level values. Based on the results of this testing, the site soils do not pose an unacceptable health risk to either the general public or construction workers conducting excavation activities at the site. Further assessment is not recommended at the site.

Ninyo & Moore appreciates the opportunity to provide our services on this project. If you have any questions, please contact the undersigned at your convenience.

Respectfully submitted,
NINYO & MOORE

Jackson Flanagan, GIT
Staff Geologist

Patrick Cullip, EIT, ENV SP
Project Geologist

PROFESSIONAL GEOLOGIST
JOHN JAY ROBERTS
No. 3489
STATE OF CALIFORNIA

John Jay Roberts, PG, CEG
Principal Geologist

JF/PJC/JJR/sc

Attachments: Table 1 – Soil Sample Analytical Results – Title 22 Metals
Table 2 – Soil Sample Analytical Results – PAHs
Figure 1 – Site Location
Figure 2 – Site Plan and Boring Locations
Attachment A – Waste Manifest
Attachment B – Laboratory Analytical Report

Distribution: (1) Addressee (via e-mail)

TABLES

Table 1 – Soil Sample Analytical Results – Title 22 Metals

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 6010B/7471A (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1-0.5	0.5	7/8/2020	ND<2.9	5.0	99	ND<0.49	ND<0.49	15	4.9	37	23	ND<0.14	2.5	8.8	ND<2.9	ND<0.49	ND<2.9	24	58
B1-2	2	7/8/2020	ND<3.2	5.9	88	ND<0.53	ND<0.53	18	6.3	42	18	ND<0.13	2.0	13	ND<3.2	ND<0.53	ND<3.2	29	71
B2-0.5	0.5	7/8/2020	ND<3.0	5.0	120	0.71	ND<0.50	23	9.7	20	7.2	ND<0.12	ND<0.99	17	ND<3.0	ND<0.50	ND<3.0	43	56
B2-2	2	7/8/2020	ND<3.0	5.4	140	0.64	ND<0.50	23	9.5	25	9.7	ND<0.13	ND<1.0	18	ND<3.0	ND<0.50	ND<3.0	43	69
B3-0.5	0.5	7/8/2020	ND<3.0	4.2	110	0.62	ND<0.51	22	9.5	18	20	ND<0.13	ND<1.0	16	ND<3.0	ND<0.51	ND<3.0	46	61
B3-2	2	7/8/2020	ND<3.2	3.7	97	0.57	ND<0.54	19	8.3	15	11	ND<0.13	ND<1.1	15	ND<3.2	ND<0.54	ND<3.2	40	53
Regulatory Screening Levels (mg/kg)																			
EPA RSLs (Industrial Soil)			470*	3.0	220,000*	2,300*	980*	1,800,000*	350*	47,000*	800*	46*	5,800*	22,000*	5,800*	5,800*	12*	5,800*	350,000*
DTSC HERO HHRA (Industrial Soil)			NL	0.36	NL	230*	780*	170,000*	NL	NL	320*	4.4*	NL	11,000*	NL	NL	NL	NL	NL
DTSC Acceptable Clean Up Levels			NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

bgs - below ground surface

DTSC Acceptable Clean Up Levels- DTSC's Determination of a Southern California Regional Background Arsenic concentrations in soil (March, 2008)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels (June, 2020)

EPA - United States Environmental Protection Agency

ID - Identification

mg/kg - milligrams per kilogram

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2020)

* non-cancer endpoint

Table 2 – Soil Sample Analytical Results – PAHs

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 8270 SIM (µg/kg)																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
B1-0.5	0.5	7/8/2020	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
B1-2	2	7/8/2020	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
B2-0.5	0.5	7/8/2020	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9
B2-2	2	7/8/2020	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
B3-0.5	0.5	7/8/2020	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	12	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
B3-2	2	7/8/2020	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	20	ND<20	ND<20	ND<20	ND<20	ND<20	21	ND<20	ND<20	ND<20	ND<20	23
Regulatory Screening Levels (µg/kg)																				
EPA RSLs (Industrial Soil)			73,000	3,000,000*	45,000,000*	NL	230,000,000*	21,000	2,100	2,100	NL	210,000	2,100,000	2,100	30,000,000*	30,000,000*	21,000	8,600	NL	23,000,000*
DTSC HERO HHRA (Industrial Soil)			30,000	1,300,000	23,000,000*	NL	130,000,000*	12,000	1,300	13,000	NL	130,000	1,300,000	310	18,000,000*	17,000,000	13,000	6500	NL	13,000,000*

Notes:

bgs - below ground surface

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels (June, 2020)

EPA - United States Environmental Protection Agency

ID - Identification

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

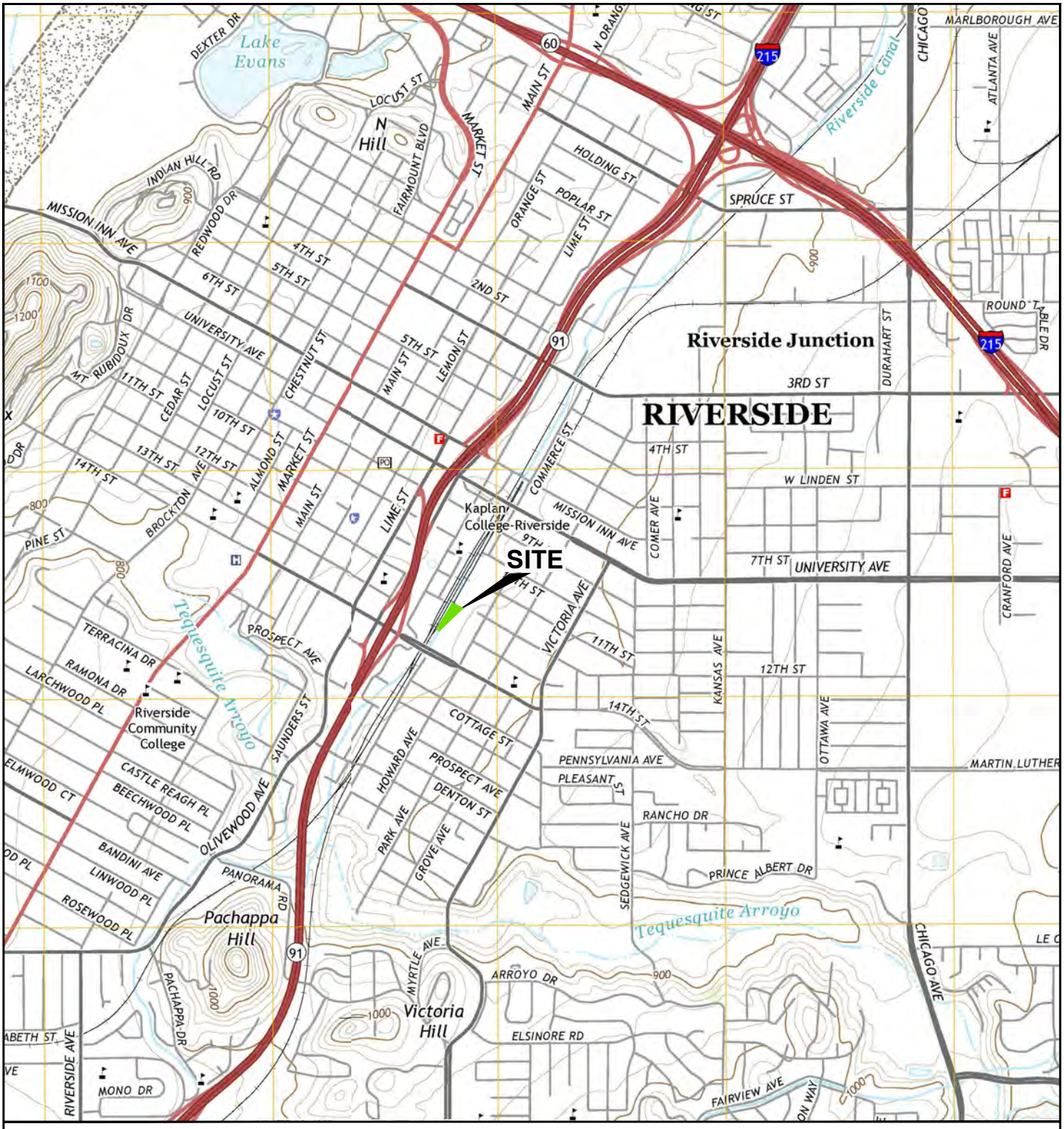
PAHs - polycyclic aromatic hydrocarbons

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2020)

µg/kg - micrograms per kilogram

* non-cancer endpoint

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

N

FEET

0 2,000 4,000

209691009_SL.dwg 08/05/2020 (AUGUST 2020) GK

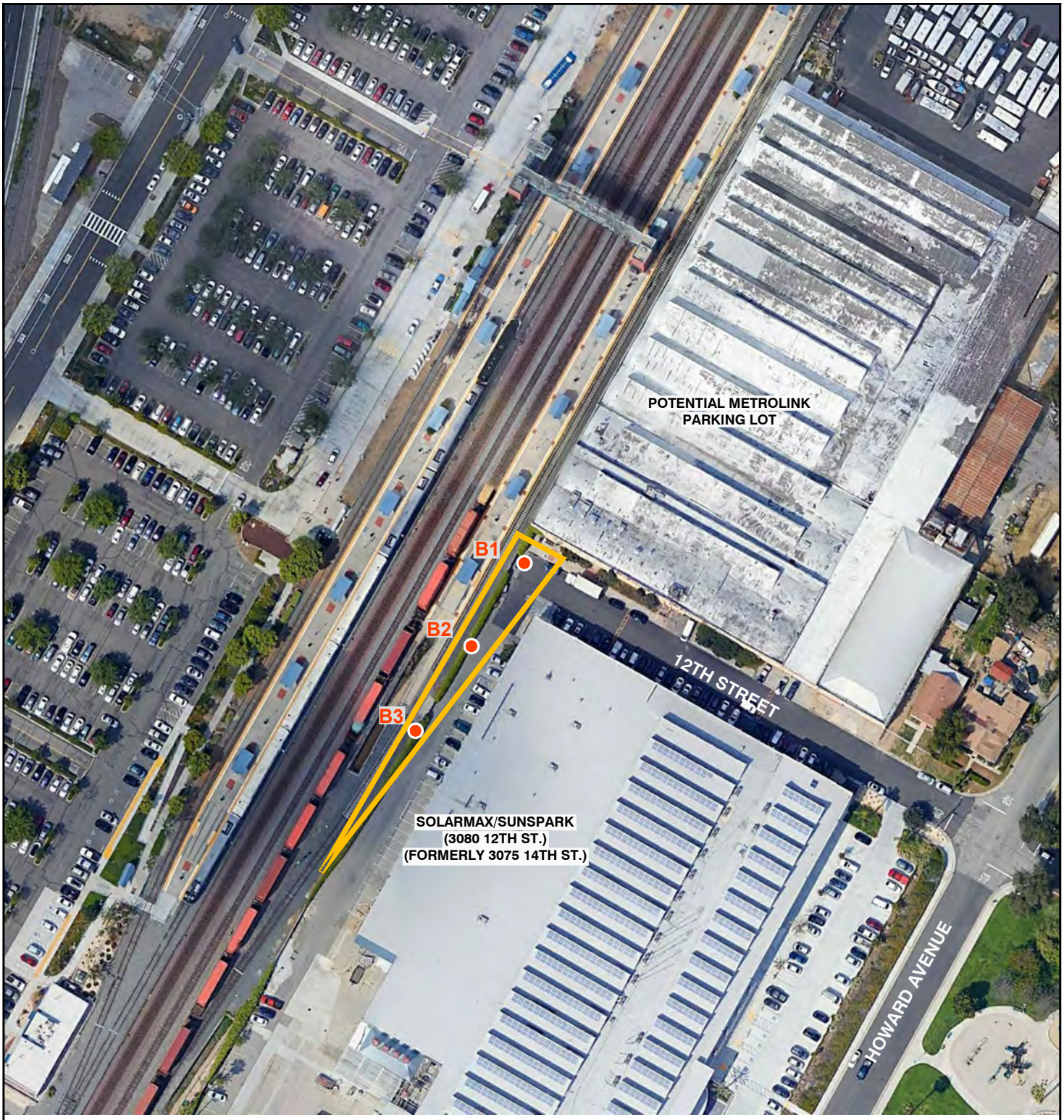
FIGURE 1

SITE LOCATION

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Geotechnical & Environmental Sciences Consultants

209691009 I 8/20



LEGEND

SITE BOUNDARY

B3 BORING

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2018.

N

FEET

0 120 240

209691009_SP.dwg 08/05/2020 (AUGUST 2020) GK

FIGURE 2

SITE PLAN AND BORING LOCATIONS

TEN APNs ADJACENT TO RIVERSIDE DOWNTOWN METROLINK STATION
RIVERSIDE, CALIFORNIA

Geotechnical & Environmental Sciences Consultants

209691009 I 8/20

ATTACHMENT A

Waste Manifest

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07	A5-2071	

Generator's Name and Billing Address:
RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET
THIRD FLOOR P.O. BOX 12008
RIVERSIDE, CA 92502

Generator's Phone #: 951-778-1097
Person to Contact:
FAX#:
Customer Account Number

Consultant's Name and Billing Address:

Consultant's Phone #:
Person to Contact:
FAX#:
Customer Account Number

Generation Site (Transport from): *(name & address)*
RIVERSIDE DOWNTOWN METROLINK STATION
3080 12TH STREET
RIVERSIDE, CA 92507

Site Phone #:
Person to Contact:
FAX#:

Designated Facility (Transport to): *(name & address)*
SOIL SAFE
12328 HIBISCUS AVENUE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: JOE PROVANSAL
FAX#: (760) 246-8004

Transporter Name and Mailing Address:
BELSHIRE
25971 TOWNE CENTRE DRIVE
FOOTHILL RANCH, CA 92610
BESI: 320872

Transporter's Phone #: 949-460-5200
Person to Contact: LARRY MOOTHART
FAX#: 949-460-5210
Customer Account Number: CAR000183913 / 1629169

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	01 DM	SOIL			
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ❑ | Signature and date: | Month / Day / Year

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: EDUARDO GARCIA | Signature and date: | Month 8 / Day 10 / Year 20

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Joe Provansal / Barry Meek / Bill Bishop | Signature and date:

Generator and/or Consultant — Transporter — Recycling Facility

ase print or type.

GENERATOR/CONSULTANTS COPY

ATTACHMENT B

Laboratory Analytical Report

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 430564
Report Level: II
Report Date: 07/17/2020

Analytical Report *prepared for:*

Patrick Cullip
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

Location: Riverside RCTC - 3080 12th Street, Riverside, CA

Authorized for release by:

Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038

ENTHALPY ANALYTICAL

Sample Summary

Patrick Cullip Ninyo & Moore 475 Goddard Suite 200 Irvine, CA 92618	Lab Job #:	430564
	Location:	Riverside RCTC - 3080 12th Street, Riverside, CA
	Date Received:	07/08/20

Sample ID	Lab ID	Collected	Matrix
B3-0.5	430564-001	07/08/20 10:45	Soil
B3-2	430564-002	07/08/20 11:01	Soil
B2-0.5	430564-003	07/08/20 11:15	Soil
B2-2	430564-004	07/08/20 11:23	Soil
B1-0.5	430564-005	07/08/20 11:52	Soil
B1-2	430564-006	07/08/20 11:58	Soil

Case Narrative

Ninyo & Moore 475 Goddard Suite 200 Irvine, CA 92618 Patrick Cullip	Lab Job Number: Location: Date Received:	430564 Riverside RCTC - 3080 12th Street, Riverside, CA 07/08/20

This data package contains sample and QC results for six soil samples, requested for the above referenced project on 07/08/20. The samples were received cold and intact.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

High responses were observed for acenaphthylene and anthracene in the CCV analyzed 07/10/20 10:44; affected data was qualified with "b". Low recovery was observed for indeno(1,2,3-cd)pyrene in the MS for batch 248945; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for dibenz(a,h)anthracene in the MS/MSD for batch 248945; the LCS was within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. High surrogate recoveries were observed for nitrobenzene-d5 in a number of samples. B3-2 (lab # 430564-002), B1-0.5 (lab # 430564-005), and B1-2 (lab # 430564-006) were diluted due to the dark color of the sample extracts. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

Low recoveries were observed for antimony in the MS/MSD of B3-0.5 (lab # 430564-001); the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

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Chain of Custody Record

Lab No: 430564

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Da,	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 9.2 / 0.8 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo and Moore	Name:	Riverside RCTC
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	N/a
Address:	475 Goddard, Suite 200	Address:	3080 12th Street
	Irvine, CA, 92618		Riverside, California
Phone:	(949) 753-7070	Global ID:	N/a
Fax:	(949) 753-7071	Sampled By:	Jackson Flanagan

Test Instructions / Comments

cc results to:
jflanagan@ninyoandmoore.com,

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Metals by EPA Method 6010B/7471A	PAHs by EPA Method 8270 SIM	TPHd/o by EPA Method 8015B	TPH cc by EPA Method 8015B	VOCs by EPA Method 8260B					
1	B3-0.5	07/02/2020	1045	S	1 55 tube	ice	X	X								
2	B3-2	↓	1101	↓	↓	↓	X	X								
3	B2-0.5		1115				X	X								
4	B2-2		1123				X	X								
5	B1-0.5		1152				X	X								
6	B1-2	↓	1158	↓	↓	↓	X	X								
7																
8																
9					07/02/2020											
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Jackson Flanagan	Ninyo and Moore / Staff	1402 / 07/08/20
1 Received By:	Christine C.	Christine C.	EA	7/8/20 1400
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Ninyo & Moore Project: _____

Date Received: 7/8/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓	✗	CC 7/10/20

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Cline Cline Date: 7/8/20

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Analysis Results for 430564

Patrick Cullip
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

Lab Job #: 430564
Location: Riverside RCTC - 3080 12th Street, Riverside, CA
Date Received: 07/08/20

Sample ID: B3-0.5 **Lab ID: 430564-001** **Collected: 07/08/20 10:45**
Matrix: Soil

430564-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Arsenic	**4.2**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Barium	**110**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Beryllium	**0.62**		mg/Kg	0.51	1	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.51	1	248919	07/09/20	07/10/20	SBW
Chromium	**22**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Cobalt	**9.5**		mg/Kg	0.51	1	248919	07/09/20	07/10/20	SBW
Copper	**18**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Lead	**20**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Molybdenum	ND		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Nickel	**16**		mg/Kg	1.5	1	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.51	1	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Vanadium	**46**		mg/Kg	0.51	1	248919	07/09/20	07/10/20	SBW
Zinc	**61**		mg/Kg	5.1	1	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.13	0.92	249169	07/14/20	07/14/20	JDB
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Naphthalene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Acenaphthylene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Acenaphthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Fluorene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Phenanthrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Anthracene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Fluoranthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Pyrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Chrysene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

430564-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Benzo(k)fluoranthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(g,h,i)perylene	**12**		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Surrogates				**Limits**					
Nitrobenzene-d5	63%		%REC	27-125	1	248945	07/09/20	07/10/20	TJW
2-Fluorobiphenyl	46%		%REC	30-120	1	248945	07/09/20	07/10/20	TJW
Terphenyl-d14	89%		%REC	33-155	1	248945	07/09/20	07/10/20	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

Sample ID: B3-2	Lab ID: 430564-002	Collected: 07/08/20 11:01
	Matrix: Soil	

430564-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	1.1	248919	07/09/20	07/10/20	SBW
Arsenic	**3.7**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Barium	**97**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Beryllium	**0.57**		mg/Kg	0.54	1.1	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.54	1.1	248919	07/09/20	07/10/20	SBW
Chromium	**19**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Cobalt	**8.3**		mg/Kg	0.54	1.1	248919	07/09/20	07/10/20	SBW
Copper	**15**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Lead	**11**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Nickel	**15**		mg/Kg	1.6	1.1	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	3.2	1.1	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.54	1.1	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	3.2	1.1	248919	07/09/20	07/10/20	SBW
Vanadium	**40**		mg/Kg	0.54	1.1	248919	07/09/20	07/10/20	SBW
Zinc	**53**		mg/Kg	5.4	1.1	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.13	0.92	249169	07/14/20	07/14/20	JDB
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
2-Methylnaphthalene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Naphthalene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Acenaphthylene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Acenaphthene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Fluorene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Phenanthrene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Anthracene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Fluoranthene	**21**		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Pyrene	**23**		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Benzo(a)anthracene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Chrysene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Benzo(a)pyrene	**20**		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	20	2	248945	07/09/20	07/10/20	TJW
Surrogates				**Limits**					

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

430564-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene-d5	51%		%REC	27-125	2	248945	07/09/20	07/10/20	TJW
2-Fluorobiphenyl	43%		%REC	30-120	2	248945	07/09/20	07/10/20	TJW
Terphenyl-d14	50%		%REC	33-155	2	248945	07/09/20	07/10/20	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

Sample ID: B2-0.5	Lab ID: 430564-003	Collected: 07/08/20 11:15
	Matrix: Soil	

430564-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.99	248919	07/09/20	07/10/20	SBW
Arsenic	**5.0**		mg/Kg	0.99	0.99	248919	07/09/20	07/10/20	SBW
Barium	**120**		mg/Kg	0.99	0.99	248919	07/09/20	07/10/20	SBW
Beryllium	**0.71**		mg/Kg	0.50	0.99	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.50	0.99	248919	07/09/20	07/10/20	SBW
Chromium	**23**		mg/Kg	0.99	0.99	248919	07/09/20	07/10/20	SBW
Cobalt	**9.7**		mg/Kg	0.50	0.99	248919	07/09/20	07/10/20	SBW
Copper	**20**		mg/Kg	0.99	0.99	248919	07/09/20	07/10/20	SBW
Lead	**7.2**		mg/Kg	0.99	0.99	248919	07/09/20	07/10/20	SBW
Molybdenum	ND		mg/Kg	0.99	0.99	248919	07/09/20	07/10/20	SBW
Nickel	**17**		mg/Kg	1.5	0.99	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	3.0	0.99	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.50	0.99	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	3.0	0.99	248919	07/09/20	07/10/20	SBW
Vanadium	**43**		mg/Kg	0.50	0.99	248919	07/09/20	07/10/20	SBW
Zinc	**56**		mg/Kg	5.0	0.99	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.12	0.88	249169	07/14/20	07/14/20	JDB
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
2-Methylnaphthalene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Naphthalene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Acenaphthylene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Acenaphthene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Fluorene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Phenanthrene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Anthracene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Fluoranthene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Pyrene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Benzo(a)anthracene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Chrysene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Benzo(a)pyrene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	0.99	248945	07/09/20	07/10/20	TJW
Surrogates				**Limits**					

Results for any subcontracted analyses are not included in this section.

Analysis Results for 430564

430564-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene-d5	151%	*	%REC	27-125	0.99	248945	07/09/20	07/10/20	TJW
2-Fluorobiphenyl	110%		%REC	30-120	0.99	248945	07/09/20	07/10/20	TJW
Terphenyl-d14	96%		%REC	33-155	0.99	248945	07/09/20	07/10/20	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 430564

Sample ID: B2-2	Lab ID: 430564-004	Collected: 07/08/20 11:23
	Matrix: Soil	

430564-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Arsenic	**5.4**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Barium	**140**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Beryllium	**0.64**		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Chromium	**23**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Cobalt	**9.5**		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Copper	**25**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Lead	**9.7**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Molybdenum	ND		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Nickel	**18**		mg/Kg	1.5	1	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Vanadium	**43**		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Zinc	**69**		mg/Kg	5.0	1	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.13	0.9	249169	07/14/20	07/14/20	JDB
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Naphthalene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Acenaphthylene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Acenaphthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Fluorene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Phenanthrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Anthracene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Fluoranthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Pyrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Chrysene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	248945	07/09/20	07/10/20	TJW
Surrogates				**Limits**					

Results for any subcontracted analyses are not included in this section.

Analysis Results for 430564

430564-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene-d5	151%	*	%REC	27-125	1	248945	07/09/20	07/10/20	TJW
2-Fluorobiphenyl	113%		%REC	30-120	1	248945	07/09/20	07/10/20	TJW
Terphenyl-d14	101%		%REC	33-155	1	248945	07/09/20	07/10/20	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

Sample ID: B1-0.5	Lab ID: 430564-005	Collected: 07/08/20 11:52
	Matrix: Soil	

430564-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	248919	07/09/20	07/10/20	SBW
Arsenic	**5.0**		mg/Kg	0.98	0.98	248919	07/09/20	07/10/20	SBW
Barium	**99**		mg/Kg	0.98	0.98	248919	07/09/20	07/10/20	SBW
Beryllium	ND		mg/Kg	0.49	0.98	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.49	0.98	248919	07/09/20	07/10/20	SBW
Chromium	**15**		mg/Kg	0.98	0.98	248919	07/09/20	07/10/20	SBW
Cobalt	**4.9**		mg/Kg	0.49	0.98	248919	07/09/20	07/10/20	SBW
Copper	**37**		mg/Kg	0.98	0.98	248919	07/09/20	07/10/20	SBW
Lead	**23**		mg/Kg	0.98	0.98	248919	07/09/20	07/10/20	SBW
Molybdenum	**2.5**		mg/Kg	0.98	0.98	248919	07/09/20	07/10/20	SBW
Nickel	**8.8**		mg/Kg	1.5	0.98	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	2.9	0.98	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.49	0.98	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	2.9	0.98	248919	07/09/20	07/10/20	SBW
Vanadium	**24**		mg/Kg	0.49	0.98	248919	07/09/20	07/10/20	SBW
Zinc	**58**		mg/Kg	4.9	0.98	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	249169	07/14/20	07/14/20	JDB
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
2-Methylnaphthalene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Naphthalene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Acenaphthylene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Acenaphthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Fluorene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Phenanthrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Anthracene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Fluoranthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Pyrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(a)anthracene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Chrysene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(a)pyrene	**500**		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Surrogates				**Limits**					

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

430564-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene-d5	120%		%REC	27-125	50	248945	07/09/20	07/10/20	TJW
2-Fluorobiphenyl	97%		%REC	30-120	50	248945	07/09/20	07/10/20	TJW
Terphenyl-d14	87%		%REC	33-155	50	248945	07/09/20	07/10/20	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 430564

Sample ID: B1-2	Lab ID: 430564-006	Collected: 07/08/20 11:58
	Matrix: Soil	

430564-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	1.1	248919	07/09/20	07/10/20	SBW
Arsenic	**5.9**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Barium	**88**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Beryllium	ND		mg/Kg	0.53	1.1	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.53	1.1	248919	07/09/20	07/10/20	SBW
Chromium	**18**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Cobalt	**6.3**		mg/Kg	0.53	1.1	248919	07/09/20	07/10/20	SBW
Copper	**42**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Lead	**18**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Molybdenum	**2.0**		mg/Kg	1.1	1.1	248919	07/09/20	07/10/20	SBW
Nickel	**13**		mg/Kg	1.6	1.1	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	3.2	1.1	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.53	1.1	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	3.2	1.1	248919	07/09/20	07/10/20	SBW
Vanadium	**29**		mg/Kg	0.53	1.1	248919	07/09/20	07/10/20	SBW
Zinc	**71**		mg/Kg	5.3	1.1	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.13	0.91	249169	07/14/20	07/14/20	JDB
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
2-Methylnaphthalene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Naphthalene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Acenaphthylene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Acenaphthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Fluorene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Phenanthrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Anthracene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Fluoranthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Pyrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(a)anthracene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Chrysene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(a)pyrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	500	50	248945	07/09/20	07/10/20	TJW
Surrogates				**Limits**					

Results for any subcontracted analyses are not included in this section.

Analysis Results for 430564

430564-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Nitrobenzene-d5	136%	*	%REC	27-125	50	248945	07/09/20	07/10/20	TJW
2-Fluorobiphenyl	99%		%REC	30-120	50	248945	07/09/20	07/10/20	TJW
Terphenyl-d14	95%		%REC	33-155	50	248945	07/09/20	07/10/20	TJW

* Value is outside QC limits
ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	Lab ID: QC876000	Batch: 248919
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC876000 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	07/09/20	07/10/20
Arsenic	ND		mg/Kg	1.0	07/09/20	07/10/20
Barium	ND		mg/Kg	1.0	07/09/20	07/10/20
Beryllium	ND		mg/Kg	0.50	07/09/20	07/10/20
Cadmium	ND		mg/Kg	0.50	07/09/20	07/10/20
Chromium	ND		mg/Kg	1.0	07/09/20	07/10/20
Cobalt	ND		mg/Kg	0.50	07/09/20	07/10/20
Copper	ND		mg/Kg	1.0	07/09/20	07/10/20
Lead	ND		mg/Kg	1.0	07/09/20	07/10/20
Molybdenum	ND		mg/Kg	1.0	07/09/20	07/10/20
Nickel	ND		mg/Kg	1.5	07/09/20	07/10/20
Selenium	ND		mg/Kg	3.0	07/09/20	07/10/20
Silver	ND		mg/Kg	0.50	07/09/20	07/10/20
Thallium	ND		mg/Kg	3.0	07/09/20	07/10/20
Vanadium	ND		mg/Kg	0.50	07/09/20	07/10/20
Zinc	ND		mg/Kg	5.0	07/09/20	07/10/20

Type: Lab Control Sample	Lab ID: QC876001	Batch: 248919
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC876001 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.6	100.0	mg/Kg	107%		80-120
Arsenic	103.8	100.0	mg/Kg	104%		80-120
Barium	101.4	100.0	mg/Kg	101%		80-120
Beryllium	94.06	100.0	mg/Kg	94%		80-120
Cadmium	100.6	100.0	mg/Kg	101%		80-120
Chromium	106.4	100.0	mg/Kg	106%		80-120
Cobalt	105.1	100.0	mg/Kg	105%		80-120
Copper	98.37	100.0	mg/Kg	98%		80-120
Lead	103.3	100.0	mg/Kg	103%		80-120
Molybdenum	101.5	100.0	mg/Kg	102%		80-120
Nickel	105.6	100.0	mg/Kg	106%		80-120
Selenium	100.1	100.0	mg/Kg	100%		80-120
Silver	95.05	100.0	mg/Kg	95%		80-120
Thallium	105.5	100.0	mg/Kg	105%		80-120
Vanadium	105.2	100.0	mg/Kg	105%		80-120
Zinc	115.9	100.0	mg/Kg	116%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC876002	Batch:	248919
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC876002 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	19.52	ND	101.0	mg/Kg	19%	*	75-125	1
Arsenic	107.1	4.182	101.0	mg/Kg	102%		75-125	1
Barium	202.3	110.8	101.0	mg/Kg	91%		75-125	1
Beryllium	94.27	0.6191	101.0	mg/Kg	93%		75-125	1
Cadmium	100.2	ND	101.0	mg/Kg	99%		75-125	1
Chromium	130.4	21.74	101.0	mg/Kg	108%		75-125	1
Cobalt	109.3	9.464	101.0	mg/Kg	99%		75-125	1
Copper	118.1	18.25	101.0	mg/Kg	99%		75-125	1
Lead	106.9	19.99	101.0	mg/Kg	86%		75-125	1
Molybdenum	96.18	ND	101.0	mg/Kg	95%		75-125	1
Nickel	116.3	15.98	101.0	mg/Kg	99%		75-125	1
Selenium	96.72	ND	101.0	mg/Kg	96%		75-125	1
Silver	95.16	ND	101.0	mg/Kg	94%		75-125	1
Thallium	95.10	ND	101.0	mg/Kg	94%		75-125	1
Vanadium	153.8	45.57	101.0	mg/Kg	107%		75-125	1
Zinc	161.1	60.70	101.0	mg/Kg	99%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC876003	Batch:	248919
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC876003 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	19.78	ND	101.0	mg/Kg	20%	*	75-125	1	41	1
Arsenic	107.2	4.182	101.0	mg/Kg	102%		75-125	0	35	1
Barium	192.9	110.8	101.0	mg/Kg	81%		75-125	5	20	1
Beryllium	93.44	0.6191	101.0	mg/Kg	92%		75-125	1	20	1
Cadmium	100.3	ND	101.0	mg/Kg	99%		75-125	0	20	1
Chromium	124.0	21.74	101.0	mg/Kg	101%		75-125	5	20	1
Cobalt	109.4	9.464	101.0	mg/Kg	99%		75-125	0	20	1
Copper	116.7	18.25	101.0	mg/Kg	98%		75-125	1	20	1
Lead	107.3	19.99	101.0	mg/Kg	86%		75-125	0	20	1
Molybdenum	96.26	ND	101.0	mg/Kg	95%		75-125	0	20	1
Nickel	116.2	15.98	101.0	mg/Kg	99%		75-125	0	20	1
Selenium	98.39	ND	101.0	mg/Kg	97%		75-125	2	20	1
Silver	94.17	ND	101.0	mg/Kg	93%		75-125	1	20	1
Thallium	94.96	ND	101.0	mg/Kg	94%		75-125	0	20	1
Vanadium	151.3	45.57	101.0	mg/Kg	105%		75-125	2	20	1
Zinc	160.6	60.70	101.0	mg/Kg	99%		75-125	0	20	1

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Batch QC

Type:	Blank	Lab ID:	QC876073	Batch:	248945
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3550C

QC876073 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	07/09/20	07/10/20
2-Methylnaphthalene	ND		ug/Kg	10	07/09/20	07/10/20
Naphthalene	ND		ug/Kg	10	07/09/20	07/10/20
Acenaphthylene	ND		ug/Kg	10	07/09/20	07/10/20
Acenaphthene	ND		ug/Kg	10	07/09/20	07/10/20
Fluorene	ND		ug/Kg	10	07/09/20	07/10/20
Phenanthrene	ND		ug/Kg	10	07/09/20	07/10/20
Anthracene	ND		ug/Kg	10	07/09/20	07/10/20
Fluoranthene	ND		ug/Kg	10	07/09/20	07/10/20
Pyrene	ND		ug/Kg	10	07/09/20	07/10/20
Benzo(a)anthracene	ND		ug/Kg	10	07/09/20	07/10/20
Chrysene	ND		ug/Kg	10	07/09/20	07/10/20
Benzo(b)fluoranthene	ND		ug/Kg	10	07/09/20	07/10/20
Benzo(k)fluoranthene	ND		ug/Kg	10	07/09/20	07/10/20
Benzo(a)pyrene	ND		ug/Kg	10	07/09/20	07/10/20
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	07/09/20	07/10/20
Dibenz(a,h)anthracene	ND		ug/Kg	10	07/09/20	07/10/20
Benzo(g,h,i)perylene	ND		ug/Kg	10	07/09/20	07/10/20
Surrogates				**Limits**		
Nitrobenzene-d5	125%		%REC	27-125	07/09/20	07/10/20
2-Fluorobiphenyl	94%		%REC	30-120	07/09/20	07/10/20
Terphenyl-d14	98%		%REC	33-155	07/09/20	07/10/20

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC876074**	**Batch:**	**248945**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3550C**

QC876074 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	44.95	50.00	ug/Kg	90%		28-130
2-Methylnaphthalene	37.14	50.00	ug/Kg	74%		33-130
Naphthalene	41.45	50.00	ug/Kg	83%		25-130
Acenaphthylene	53.95	50.00	ug/Kg	108%	b	28-130
Acenaphthene	41.22	50.00	ug/Kg	82%		32-130
Fluorene	43.09	50.00	ug/Kg	86%		35-130
Phenanthrene	40.24	50.00	ug/Kg	80%		35-132
Anthracene	42.12	50.00	ug/Kg	84%	b	34-136
Fluoranthene	46.36	50.00	ug/Kg	93%		34-139
Pyrene	44.96	50.00	ug/Kg	90%		35-134
Benzo(a)anthracene	38.82	50.00	ug/Kg	78%		30-132
Chrysene	35.35	50.00	ug/Kg	71%		29-130
Benzo(b)fluoranthene	37.98	50.00	ug/Kg	76%		32-137
Benzo(k)fluoranthene	41.01	50.00	ug/Kg	82%		32-130
Benzo(a)pyrene	31.46	50.00	ug/Kg	63%		10-138
Indeno(1,2,3-cd)pyrene	38.22	50.00	ug/Kg	76%		34-132
Dibenz(a,h)anthracene	39.05	50.00	ug/Kg	78%		32-130
Benzo(g,h,i)perylene	31.02	50.00	ug/Kg	62%		27-130
Surrogates						
Nitrobenzene-d5	69.80	50.00	ug/Kg	140%	*	27-125
2-Fluorobiphenyl	53.22	50.00	ug/Kg	106%		30-120
Terphenyl-d14	49.11	50.00	ug/Kg	98%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC876075	Batch:	248945
Matrix (Source ID):	Soil (430607-001)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3550C

QC876075 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	38.93	ND	50.00	ug/Kg	78%		25-130	50
2-Methylnaphthalene	29.07	ND	50.00	ug/Kg	58%		32-133	50
Naphthalene	37.47	ND	50.00	ug/Kg	75%		33-130	50
Acenaphthylene	47.15	ND	50.00	ug/Kg	94%	b	14-157	50
Acenaphthene	44.26	7.430	50.00	ug/Kg	74%		28-134	50
Fluorene	46.67	4.214	50.00	ug/Kg	85%		27-140	50
Phenanthrene	41.01	6.254	50.00	ug/Kg	70%		29-147	50
Anthracene	52.72	ND	50.00	ug/Kg	105%	b	24-156	50
Fluoranthene	65.74	10.78	50.00	ug/Kg	110%		28-160	50
Pyrene	63.26	14.20	50.00	ug/Kg	98%		26-153	50
Benzo(a)anthracene	49.86	5.643	50.00	ug/Kg	88%		26-174	50
Chrysene	37.75	10.79	50.00	ug/Kg	54%		40-139	50
Benzo(b)fluoranthene	41.09	10.39	50.00	ug/Kg	61%		36-164	50
Benzo(k)fluoranthene	38.95	10.63	50.00	ug/Kg	57%		36-161	50
Benzo(a)pyrene	46.92	6.805	50.00	ug/Kg	80%		18-173	50
Indeno(1,2,3-cd)pyrene	10.32	ND	50.00	ug/Kg	21%	*	26-154	50
Dibenz(a,h)anthracene	459.7	ND	50.00	ug/Kg	919%	*	38-132	50
Benzo(g,h,i)perylene	18.23	ND	50.00	ug/Kg	36%		36-130	50
Surrogates								
Nitrobenzene-d5	51.03		50.00	ug/Kg	102%		27-125	50
2-Fluorobiphenyl	43.70		50.00	ug/Kg	87%		30-120	50
Terphenyl-d14	56.01		50.00	ug/Kg	112%		33-155	50

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC876076	Batch:	248945
Matrix (Source ID):	Soil (430607-001)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3550C

QC876076 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	44.63	ND	50.00	ug/Kg	89%		25-130	14	35	50
2-Methylnaphthalene	35.84	ND	50.00	ug/Kg	72%		32-133	21	35	50
Naphthalene	42.35	ND	50.00	ug/Kg	85%		33-130	12	35	50
Acenaphthylene	51.93	ND	50.00	ug/Kg	104%	b	14-157	10	35	50
Acenaphthene	45.62	7.430	50.00	ug/Kg	76%		28-134	3	35	50
Fluorene	45.97	4.214	50.00	ug/Kg	84%		27-140	2	35	50
Phenanthrene	41.81	6.254	50.00	ug/Kg	71%		29-147	2	35	50
Anthracene	52.42	ND	50.00	ug/Kg	105%	b	24-156	1	35	50
Fluoranthene	79.42	10.78	50.00	ug/Kg	137%		28-160	19	35	50
Pyrene	70.80	14.20	50.00	ug/Kg	113%		26-153	11	35	50
Benzo(a)anthracene	56.68	5.643	50.00	ug/Kg	102%		26-174	13	35	50
Chrysene	50.67	10.79	50.00	ug/Kg	80%		40-139	29	35	50
Benzo(b)fluoranthene	45.15	10.39	50.00	ug/Kg	70%		36-164	9	35	50
Benzo(k)fluoranthene	42.94	10.63	50.00	ug/Kg	65%		36-161	10	35	50
Benzo(a)pyrene	49.57	6.805	50.00	ug/Kg	86%		18-173	6	35	50
Indeno(1,2,3-cd)pyrene	13.65	ND	50.00	ug/Kg	27%		26-154	28	35	50
Dibenz(a,h)anthracene	459.1	ND	50.00	ug/Kg	918%	*	38-132	0	35	50
Benzo(g,h,i)perylene	22.46	ND	50.00	ug/Kg	45%		36-130	21	35	50
Surrogates										
Nitrobenzene-d5	58.03		50.00	ug/Kg	116%		27-125			50
2-Fluorobiphenyl	46.56		50.00	ug/Kg	93%		30-120			50
Terphenyl-d14	53.09		50.00	ug/Kg	106%		33-155			50

Type:	Blank	Lab ID:	QC876659	Batch:	249169
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC876659 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	07/14/20	07/14/20

Type:	Lab Control Sample	Lab ID:	QC876660	Batch:	249169
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC876660 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7934	0.8333	mg/Kg	95%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC876661	Batch:	249169
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC876661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.7659	ND	0.7576	mg/Kg	101%		75-125	0.91

Type:	Matrix Spike Duplicate	Lab ID:	QC876662	Batch:	249169
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC876662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7474	ND	0.7463	mg/Kg	100%		75-125	1	20	0.9

* Value is outside QC limits
ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 430565
Report Level: II
Report Date: 07/21/2020

Analytical Report *prepared for:*

Patrick Cullip
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

Location: Riverside RCTC - 3080 12th Street, Riverside, CA

Authorized for release by:

Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038

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Sample Summary

Patrick Cullip Ninyo & Moore 475 Goddard Suite 200 Irvine, CA 92618	Lab Job #: Location: Date Received:	430565 Riverside RCTC - 3080 12th Street, Riverside, CA 07/08/20

Sample ID	Lab ID	Collected	Matrix
WC	430565-001	07/08/20 12:38	Soil

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Chain of Custody Record

Lab No: 4305565

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Da.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:
(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo and Moore	Name:	Riverside RCTC
Report To:	Patrick Cullip	Number:	209691009
Email:	pcullip@ninyoandmoore.com	P.O. #:	N/a
Address:	475 Goddard, Suite 200	Address:	3080 12th Street
	Irvine, CA, 92618		Riverside, California
Phone:	(949) 753-7070	Global ID:	N/a
Fax:	(949) 753-7071	Sampled By:	Jackson Flanagan

Test Instructions / Comments

cc results to:
jflanagan@ninyoandmoore.com,

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Metals by EPA Method 6010B/7471A	PAHs by EPA Method 8270 SIM	TPHd/o by EPA Method 8015B	TPH cc by EPA Method 8015B	VOCs by EPA Method 8260B					
1	WC	07/08/2020	1238	S	1 8oz Jar	Ice	X			X	X					
2																
3																
4																
5																
6																
7																
8					JF 07/08/2020											
9																
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Jackson Flanagan	Ninyo and Moore / Staff	07/08/2020 / 1520
1 Received By:	[signature]	Christine C.	EA	7/8/20 1400
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Ninyo & Moore Project: _____

Date Received: 7/8/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have o higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓	✓	

cc 7/8/20

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Cline Cline Date: 7/8/20

ENTHALPY ANALYTICAL

Analysis Results for 430565

Patrick Cullip
Ninyo & Moore
475 Goddard
Suite 200
Irvine, CA 92618

Lab Job #: 430565
Location: Riverside RCTC - 3080 12th Street, Riverside, CA
Date Received: 07/08/20

Sample ID: WC **Lab ID: 430565-001** **Collected: 07/08/20 12:38**
Matrix: Soil

430565-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Arsenic	**7.6**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Barium	**130**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Beryllium	**0.51**		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Cadmium	ND		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Chromium	**22**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Cobalt	**11**		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Copper	**48**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Lead	**18**		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Molybdenum	ND		mg/Kg	1.0	1	248919	07/09/20	07/10/20	SBW
Nickel	**20**		mg/Kg	1.5	1	248919	07/09/20	07/10/20	SBW
Selenium	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Silver	ND		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Thallium	ND		mg/Kg	3.0	1	248919	07/09/20	07/10/20	SBW
Vanadium	**42**		mg/Kg	0.50	1	248919	07/09/20	07/10/20	SBW
Zinc	**110**		mg/Kg	5.0	1	248919	07/09/20	07/10/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.12	0.88	249169	07/14/20	07/14/20	JDB
Method: EPA 8015B Prep Method: EPA 3580									
TPH (C6-C12)	ND		mg/Kg	20	2	249238	07/15/20	07/15/20	MTS
TPH (C13-C22)	**22**		mg/Kg	20	2	249238	07/15/20	07/15/20	MTS
TPH (C23-C44)	**120**		mg/Kg	20	2	249238	07/15/20	07/15/20	MTS
Surrogates				**Limits**					
n-Triacontane	101%		%REC	70-130	2	249238	07/15/20	07/15/20	MTS
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Isopropyl Ether (DIPE)	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 430565

430565-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butyl Alcohol (TBA)	ND		ug/Kg	6.8	0.68	249456	07/20/20	07/20/20	JTB
Freon 12	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Chloromethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Vinyl Chloride	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Bromomethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Chloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Trichlorofluoromethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Acetone	ND		ug/Kg	68	0.68	249456	07/20/20	07/20/20	JTB
Freon 113	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1-Dichloroethene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Methylene Chloride	**4.7**		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
MTBE	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
trans-1,2-Dichloroethene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1-Dichloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
2-Butanone	ND		ug/Kg	68	0.68	249456	07/20/20	07/20/20	JTB
cis-1,2-Dichloroethene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
2,2-Dichloropropane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Chloroform	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Bromochloromethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1,1-Trichloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1-Dichloropropene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Carbon Tetrachloride	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2-Dichloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Benzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Trichloroethene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2-Dichloropropane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Bromodichloromethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Dibromomethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
4-Methyl-2-Pentanone	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
cis-1,3-Dichloropropene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Toluene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
trans-1,3-Dichloropropene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1,2-Trichloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,3-Dichloropropane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Tetrachloroethene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Dibromochloromethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2-Dibromoethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Chlorobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Ethylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
m,p-Xylenes	ND		ug/Kg	6.8	0.68	249456	07/20/20	07/20/20	JTB
o-Xylene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Styrene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Bromoform	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Isopropylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 430565

430565-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2,3-Trichloropropane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Propylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Bromobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,3,5-Trimethylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
2-Chlorotoluene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
4-Chlorotoluene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
tert-Butylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2,4-Trimethylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
sec-Butylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
para-Isopropyl Toluene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,3-Dichlorobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,4-Dichlorobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
n-Butylbenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2-Dichlorobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2,4-Trichlorobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Hexachlorobutadiene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Naphthalene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
1,2,3-Trichlorobenzene	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Xylene (total)	ND		ug/Kg	3.4	0.68	249456	07/20/20	07/20/20	JTB
Surrogates				**Limits**					
Dibromofluoromethane	108%		%REC	70-145	0.68	249456	07/20/20	07/20/20	JTB
1,2-Dichloroethane-d4	104%		%REC	70-145	0.68	249456	07/20/20	07/20/20	JTB
Toluene-d8	96%		%REC	70-145	0.68	249456	07/20/20	07/20/20	JTB
Bromofluorobenzene	112%		%REC	70-145	0.68	249456	07/20/20	07/20/20	JTB

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC876000	Batch: 248919
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC876000 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	07/09/20	07/10/20
Arsenic	ND		mg/Kg	1.0	07/09/20	07/10/20
Barium	ND		mg/Kg	1.0	07/09/20	07/10/20
Beryllium	ND		mg/Kg	0.50	07/09/20	07/10/20
Cadmium	ND		mg/Kg	0.50	07/09/20	07/10/20
Chromium	ND		mg/Kg	1.0	07/09/20	07/10/20
Cobalt	ND		mg/Kg	0.50	07/09/20	07/10/20
Copper	ND		mg/Kg	1.0	07/09/20	07/10/20
Lead	ND		mg/Kg	1.0	07/09/20	07/10/20
Molybdenum	ND		mg/Kg	1.0	07/09/20	07/10/20
Nickel	ND		mg/Kg	1.5	07/09/20	07/10/20
Selenium	ND		mg/Kg	3.0	07/09/20	07/10/20
Silver	ND		mg/Kg	0.50	07/09/20	07/10/20
Thallium	ND		mg/Kg	3.0	07/09/20	07/10/20
Vanadium	ND		mg/Kg	0.50	07/09/20	07/10/20
Zinc	ND		mg/Kg	5.0	07/09/20	07/10/20

Type: Lab Control Sample	Lab ID: QC876001	Batch: 248919
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC876001 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.6	100.0	mg/Kg	107%		80-120
Arsenic	103.8	100.0	mg/Kg	104%		80-120
Barium	101.4	100.0	mg/Kg	101%		80-120
Beryllium	94.06	100.0	mg/Kg	94%		80-120
Cadmium	100.6	100.0	mg/Kg	101%		80-120
Chromium	106.4	100.0	mg/Kg	106%		80-120
Cobalt	105.1	100.0	mg/Kg	105%		80-120
Copper	98.37	100.0	mg/Kg	98%		80-120
Lead	103.3	100.0	mg/Kg	103%		80-120
Molybdenum	101.5	100.0	mg/Kg	102%		80-120
Nickel	105.6	100.0	mg/Kg	106%		80-120
Selenium	100.1	100.0	mg/Kg	100%		80-120
Silver	95.05	100.0	mg/Kg	95%		80-120
Thallium	105.5	100.0	mg/Kg	105%		80-120
Vanadium	105.2	100.0	mg/Kg	105%		80-120
Zinc	115.9	100.0	mg/Kg	116%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC876002	Batch:	248919
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC876002 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	19.52	ND	101.0	mg/Kg	19%	*	75-125	1
Arsenic	107.1	4.182	101.0	mg/Kg	102%		75-125	1
Barium	202.3	110.8	101.0	mg/Kg	91%		75-125	1
Beryllium	94.27	0.6191	101.0	mg/Kg	93%		75-125	1
Cadmium	100.2	ND	101.0	mg/Kg	99%		75-125	1
Chromium	130.4	21.74	101.0	mg/Kg	108%		75-125	1
Cobalt	109.3	9.464	101.0	mg/Kg	99%		75-125	1
Copper	118.1	18.25	101.0	mg/Kg	99%		75-125	1
Lead	106.9	19.99	101.0	mg/Kg	86%		75-125	1
Molybdenum	96.18	ND	101.0	mg/Kg	95%		75-125	1
Nickel	116.3	15.98	101.0	mg/Kg	99%		75-125	1
Selenium	96.72	ND	101.0	mg/Kg	96%		75-125	1
Silver	95.16	ND	101.0	mg/Kg	94%		75-125	1
Thallium	95.10	ND	101.0	mg/Kg	94%		75-125	1
Vanadium	153.8	45.57	101.0	mg/Kg	107%		75-125	1
Zinc	161.1	60.70	101.0	mg/Kg	99%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC876003	Batch:	248919
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC876003 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	19.78	ND	101.0	mg/Kg	20%	*	75-125	1	41	1
Arsenic	107.2	4.182	101.0	mg/Kg	102%		75-125	0	35	1
Barium	192.9	110.8	101.0	mg/Kg	81%		75-125	5	20	1
Beryllium	93.44	0.6191	101.0	mg/Kg	92%		75-125	1	20	1
Cadmium	100.3	ND	101.0	mg/Kg	99%		75-125	0	20	1
Chromium	124.0	21.74	101.0	mg/Kg	101%		75-125	5	20	1
Cobalt	109.4	9.464	101.0	mg/Kg	99%		75-125	0	20	1
Copper	116.7	18.25	101.0	mg/Kg	98%		75-125	1	20	1
Lead	107.3	19.99	101.0	mg/Kg	86%		75-125	0	20	1
Molybdenum	96.26	ND	101.0	mg/Kg	95%		75-125	0	20	1
Nickel	116.2	15.98	101.0	mg/Kg	99%		75-125	0	20	1
Selenium	98.39	ND	101.0	mg/Kg	97%		75-125	2	20	1
Silver	94.17	ND	101.0	mg/Kg	93%		75-125	1	20	1
Thallium	94.96	ND	101.0	mg/Kg	94%		75-125	0	20	1
Vanadium	151.3	45.57	101.0	mg/Kg	105%		75-125	2	20	1
Zinc	160.6	60.70	101.0	mg/Kg	99%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC876659	Batch:	249169
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC876659 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	07/14/20	07/14/20

Type:	Lab Control Sample	Lab ID:	QC876660	Batch:	249169
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC876660 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7934	0.8333	mg/Kg	95%		80-120

Type:	Matrix Spike	Lab ID:	QC876661	Batch:	249169
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC876661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.7659	ND	0.7576	mg/Kg	101%		75-125	0.91

Type:	Matrix Spike Duplicate	Lab ID:	QC876662	Batch:	249169
Matrix (Source ID):	Soil (430564-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC876662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.7474	ND	0.7463	mg/Kg	100%		75-125	1	20	0.9

Type:	Blank	Lab ID:	QC876825	Batch:	249238
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 3580

QC876825 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH (C6-C12)	ND		mg/Kg	10	07/15/20	07/15/20
TPH (C13-C22)	ND		mg/Kg	10	07/15/20	07/15/20
TPH (C23-C44)	ND		mg/Kg	10	07/15/20	07/15/20
Surrogates				**Limits**		
n-Triacontane	116%		%REC	70-130	07/15/20	07/15/20

Type:	Lab Control Sample	Lab ID:	QC876826	Batch:	249238
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 3580

QC876826 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	251.7	250.0	mg/Kg	101%		76-122
Surrogates						
n-Triacontane	12.06	10.00	mg/Kg	121%		70-130

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC876827**	**Batch:**	**249238**
Matrix (Source ID):	**Soil (430829-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC876827 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	251.7	10.44	250.0	mg/Kg	96%		62-126	1
Surrogates								
n-Triacontane	11.98		10.00	mg/Kg	120%		70-130	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC876828**	**Batch:**	**249238**
Matrix (Source ID):	**Soil (430829-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 3580**

QC876828 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	259.8	10.44	250.0	mg/Kg	100%		62-126	3	35	1
Surrogates										
n-Triacontane	11.66		10.00	mg/Kg	117%		70-130			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC877428	Batch: 249456
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC877428 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	07/19/20	07/19/20
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	07/19/20	07/19/20
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	07/19/20	07/19/20
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	07/19/20	07/19/20
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	07/19/20	07/19/20
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	07/19/20	07/19/20
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	07/19/20	07/19/20
Freon 12	ND		ug/Kg	5.0	07/19/20	07/19/20
Chloromethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Vinyl Chloride	ND		ug/Kg	5.0	07/19/20	07/19/20
Bromomethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Chloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Trichlorofluoromethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Acetone	ND		ug/Kg	100	07/19/20	07/19/20
Freon 113	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1-Dichloroethene	ND		ug/Kg	5.0	07/19/20	07/19/20
Methylene Chloride	ND		ug/Kg	5.0	07/19/20	07/19/20
MTBE	ND		ug/Kg	5.0	07/19/20	07/19/20
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1-Dichloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
2-Butanone	ND		ug/Kg	100	07/19/20	07/19/20
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	07/19/20	07/19/20
2,2-Dichloropropane	ND		ug/Kg	5.0	07/19/20	07/19/20
Chloroform	ND		ug/Kg	5.0	07/19/20	07/19/20
Bromochloromethane	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1,1-Trichloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1-Dichloropropene	ND		ug/Kg	5.0	07/19/20	07/19/20
Carbon Tetrachloride	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2-Dichloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Benzene	ND		ug/Kg	5.0	07/19/20	07/19/20
Trichloroethene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2-Dichloropropane	ND		ug/Kg	5.0	07/19/20	07/19/20
Bromodichloromethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Dibromomethane	ND		ug/Kg	5.0	07/19/20	07/19/20
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	07/19/20	07/19/20
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	07/19/20	07/19/20
Toluene	ND		ug/Kg	5.0	07/19/20	07/19/20
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1,2-Trichloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
1,3-Dichloropropane	ND		ug/Kg	5.0	07/19/20	07/19/20
Tetrachloroethene	ND		ug/Kg	5.0	07/19/20	07/19/20
Dibromochloromethane	ND		ug/Kg	5.0	07/19/20	07/19/20

ENTHALPY ANALYTICAL

Batch QC

QC877428 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Chlorobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
Ethylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
m,p-Xylenes	ND		ug/Kg	10	07/19/20	07/19/20
o-Xylene	ND		ug/Kg	5.0	07/19/20	07/19/20
Styrene	ND		ug/Kg	5.0	07/19/20	07/19/20
Bromoform	ND		ug/Kg	5.0	07/19/20	07/19/20
Isopropylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2,3-Trichloropropane	ND		ug/Kg	5.0	07/19/20	07/19/20
Propylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
Bromobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
2-Chlorotoluene	ND		ug/Kg	5.0	07/19/20	07/19/20
4-Chlorotoluene	ND		ug/Kg	5.0	07/19/20	07/19/20
tert-Butylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
sec-Butylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
para-Isopropyl Toluene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,3-Dichlorobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,4-Dichlorobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
n-Butylbenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2-Dichlorobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
Hexachlorobutadiene	ND		ug/Kg	5.0	07/19/20	07/19/20
Naphthalene	ND		ug/Kg	5.0	07/19/20	07/19/20
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	07/19/20	07/19/20
Xylene (total)	ND		ug/Kg	5.0	07/19/20	07/19/20
Surrogates				**Limits**		
Dibromofluoromethane	98%		%REC	70-145	07/19/20	07/19/20
1,2-Dichloroethane-d4	93%		%REC	70-145	07/19/20	07/19/20
Toluene-d8	100%		%REC	70-145	07/19/20	07/19/20
Bromofluorobenzene	112%		%REC	70-145	07/19/20	07/19/20

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC877429	Batch:	249456
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC877429 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.35	50.00	ug/Kg	107%		80-131
MTBE	47.28	50.00	ug/Kg	95%		69-120
Benzene	50.28	50.00	ug/Kg	101%		80-120
Trichloroethene	50.73	50.00	ug/Kg	101%		79-120
Toluene	47.78	50.00	ug/Kg	96%		80-120
Chlorobenzene	50.25	50.00	ug/Kg	101%		80-120
Surrogates						
Dibromofluoromethane	51.86	50.00	ug/Kg	104%		70-145
1,2-Dichloroethane-d4	48.11	50.00	ug/Kg	96%		70-145
Toluene-d8	48.41	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	51.67	50.00	ug/Kg	103%		70-145

Type:	Lab Control Sample Duplicate	Lab ID:	QC877430	Batch:	249456
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC877430 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	54.00	50.00	ug/Kg	108%		80-131	1	33
MTBE	49.34	50.00	ug/Kg	99%		69-120	4	20
Benzene	51.69	50.00	ug/Kg	103%		80-120	3	20
Trichloroethene	52.35	50.00	ug/Kg	105%		79-120	3	20
Toluene	50.06	50.00	ug/Kg	100%		80-120	5	20
Chlorobenzene	52.94	50.00	ug/Kg	106%		80-120	5	20
Surrogates								
Dibromofluoromethane	50.44	50.00	ug/Kg	101%		70-145		
1,2-Dichloroethane-d4	46.04	50.00	ug/Kg	92%		70-145		
Toluene-d8	49.31	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	52.54	50.00	ug/Kg	105%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC877442	Batch: 249456
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC877442 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	07/19/20	07/19/20
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	07/19/20	07/19/20
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	07/19/20	07/19/20
Isopropyl Ether (DIPE)	ND		ug/Kg	250	07/19/20	07/19/20
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	07/19/20	07/19/20
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	07/19/20	07/19/20
tert-Butyl Alcohol (TBA)	ND		ug/Kg	500	07/19/20	07/19/20
Freon 12	ND		ug/Kg	250	07/19/20	07/19/20
Chloromethane	ND		ug/Kg	250	07/19/20	07/19/20
Vinyl Chloride	ND		ug/Kg	250	07/19/20	07/19/20
Bromomethane	ND		ug/Kg	250	07/19/20	07/19/20
Chloroethane	ND		ug/Kg	250	07/19/20	07/19/20
Trichlorofluoromethane	ND		ug/Kg	250	07/19/20	07/19/20
Acetone	ND		ug/Kg	5,000	07/19/20	07/19/20
Freon 113	ND		ug/Kg	250	07/19/20	07/19/20
1,1-Dichloroethene	ND		ug/Kg	250	07/19/20	07/19/20
Methylene Chloride	ND		ug/Kg	250	07/19/20	07/19/20
MTBE	ND		ug/Kg	250	07/19/20	07/19/20
trans-1,2-Dichloroethene	ND		ug/Kg	250	07/19/20	07/19/20
1,1-Dichloroethane	ND		ug/Kg	250	07/19/20	07/19/20
2-Butanone	ND		ug/Kg	5,000	07/19/20	07/19/20
cis-1,2-Dichloroethene	ND		ug/Kg	250	07/19/20	07/19/20
2,2-Dichloropropane	ND		ug/Kg	250	07/19/20	07/19/20
Chloroform	ND		ug/Kg	250	07/19/20	07/19/20
Bromochloromethane	ND		ug/Kg	250	07/19/20	07/19/20
1,1,1-Trichloroethane	ND		ug/Kg	250	07/19/20	07/19/20
1,1-Dichloropropene	ND		ug/Kg	250	07/19/20	07/19/20
Carbon Tetrachloride	ND		ug/Kg	250	07/19/20	07/19/20
1,2-Dichloroethane	ND		ug/Kg	250	07/19/20	07/19/20
Benzene	ND		ug/Kg	250	07/19/20	07/19/20
Trichloroethene	ND		ug/Kg	250	07/19/20	07/19/20
1,2-Dichloropropane	ND		ug/Kg	250	07/19/20	07/19/20
Bromodichloromethane	ND		ug/Kg	250	07/19/20	07/19/20
Dibromomethane	ND		ug/Kg	250	07/19/20	07/19/20
4-Methyl-2-Pentanone	ND		ug/Kg	250	07/19/20	07/19/20
cis-1,3-Dichloropropene	ND		ug/Kg	250	07/19/20	07/19/20
Toluene	ND		ug/Kg	250	07/19/20	07/19/20
trans-1,3-Dichloropropene	ND		ug/Kg	250	07/19/20	07/19/20
1,1,2-Trichloroethane	ND		ug/Kg	250	07/19/20	07/19/20
1,3-Dichloropropane	ND		ug/Kg	250	07/19/20	07/19/20
Tetrachloroethene	ND		ug/Kg	250	07/19/20	07/19/20
Dibromochloromethane	ND		ug/Kg	250	07/19/20	07/19/20

ENTHALPY ANALYTICAL

Batch QC

QC877442 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	250	07/19/20	07/19/20
Chlorobenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	07/19/20	07/19/20
Ethylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
m,p-Xylenes	ND		ug/Kg	500	07/19/20	07/19/20
o-Xylene	ND		ug/Kg	250	07/19/20	07/19/20
Styrene	ND		ug/Kg	250	07/19/20	07/19/20
Bromoform	ND		ug/Kg	250	07/19/20	07/19/20
Isopropylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	07/19/20	07/19/20
1,2,3-Trichloropropane	ND		ug/Kg	250	07/19/20	07/19/20
Propylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
Bromobenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,3,5-Trimethylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
2-Chlorotoluene	ND		ug/Kg	250	07/19/20	07/19/20
4-Chlorotoluene	ND		ug/Kg	250	07/19/20	07/19/20
tert-Butylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,2,4-Trimethylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
sec-Butylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
para-Isopropyl Toluene	ND		ug/Kg	250	07/19/20	07/19/20
1,3-Dichlorobenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,4-Dichlorobenzene	ND		ug/Kg	250	07/19/20	07/19/20
n-Butylbenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,2-Dichlorobenzene	ND		ug/Kg	250	07/19/20	07/19/20
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	07/19/20	07/19/20
1,2,4-Trichlorobenzene	ND		ug/Kg	250	07/19/20	07/19/20
Hexachlorobutadiene	ND		ug/Kg	250	07/19/20	07/19/20
Naphthalene	ND		ug/Kg	250	07/19/20	07/19/20
1,2,3-Trichlorobenzene	ND		ug/Kg	250	07/19/20	07/19/20
Xylene (total)	ND		ug/Kg	250	07/19/20	07/19/20
Surrogates				**Limits**		
Dibromofluoromethane	99%		%REC	70-145	07/19/20	07/19/20
1,2-Dichloroethane-d4	98%		%REC	70-145	07/19/20	07/19/20
Toluene-d8	95%		%REC	70-145	07/19/20	07/19/20
Bromofluorobenzene	105%		%REC	70-145	07/19/20	07/19/20

* Value is outside QC limits

ND Not Detected

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Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

September 30, 2020
Project No. 209691009

Mr. Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, Third Floor
Riverside, California 92502

Subject: Health Risk Assessment for Addendum to the Limited Phase II Environmental Site Assessment 10 APNs Adjacent to Riverside Downtown Metrolink Station, Riverside, California, for the Adjoining SolarMax Property 3080 12th Street Riverside, California 92507

Reference: Ninyo & Moore, 2020, Addendum to the Limited Phase II Environmental Site Assessment 10 APNs Adjacent to Riverside Downtown Metrolink Station, Riverside, California, for the Adjoining SolarMax Property 3080 12th Street Riverside, California 92507, August 19

Dear Mr. Casillas:

At the request of the Riverside County Transportation Commission, Ninyo & Moore conducted a Health Risk Evaluation (HRE) for the SolarMax property located adjacent to the Proposed Metrolink Train Station Platform, 10 APNs Adjacent to the Riverside Downton Metrolink Station in Riverside, California (the site). The HRE was conducted in response to review comments from the Department of Toxic Substances Control (DTSC) received via email on August 17, 2019 presented in Attachment A. The comments were provided based on DTSC's review of the referenced Addendum.

The objective of the risk evaluation was to assess whether the metals and a few organic chemicals detected in soil at the site could pose a health threat to future construction workers and/or maintenance workers at the site. Soil analytical data used in the evaluation was collected by Ninyo & Moore as part of the referenced Addendum. Soil analytical data collected at the site are summarized in Tables 1 and 2.

Potential health risks were estimated based on U.S. Environmental Protection Agency (USEPA; 1989) and California Department of Toxic Substances Control (DTSC; 2015) guidance. The risk evaluation was conducted using the same methodology, exposure parameters and toxicity values as those described in Ninyo & Moore's (2020) risk assessment report.

Using maximum detected concentrations (Tables 1 and 2), the total hazard index from worker exposures to onsite soil via incidental ingestion and dermal contact were estimated to be 2 for construction workers and 0.02 for non-intrusive workers (Table 3). Supporting calculations presented in

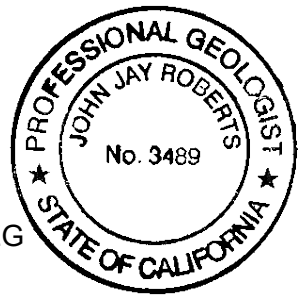
Tables A-1 through A-6 of Attachment A. Only the Hazard Index estimated for construction workers exceed the acceptable benchmark value of 1. However, the metal driving the high Hazard Index was arsenic (Table 3) and the maximum detected arsenic concentration is within the upper-bound ambient concentration, as discussed in the Human Health Risk Assessment, Proposed Metrolink Train Station Platform adjoining the site (Ninyo & Moore, 2020).

Using maximum detected concentrations (Tables 1 and 2), the total cancer risks from exposures to onsite soil via incidental ingestion and dermal contact were estimated to be 7E-07 for construction workers and 2E-07 for non-intrusive workers (Table 3). Supporting calculations presented in Tables A-7 through A-10 of Attachment A.

According to results of this risk evaluation, chemicals detected in soil at the SolarMax Property do not pose a significant health risk to future construction workers and/or maintenance workers. According to this risk evaluation, exposure to chemicals detected in soil could carry a potential cancer risk of less than two cancer cases in an exposed population of ten million people (2E-07). The estimated incremental cancer risks are within levels considered acceptable to the state of California (as per the Safe Drinking Water and Toxics Enforcement Act of 1986). Furthermore, the estimated hazard index for man-made chemicals detected in soil are below 1.0 and therefore considered acceptable to California environmental and health protection agencies.

The conclusions presented in this report are professional opinions based solely upon the data described in this report. They are intended exclusively for the purpose outlined herein and the site's location and project indicated.

Respectfully submitted,
NINYO & MOORE



John Jay Roberts, PG, CEG
Principal Geologist

JJR/sc

Attachments: References
Table 1 – SolarMax Soil Sample Analytical Results - Title 22 Metals
Table 2 – SolarMax Soil Sample Analytical Results - PAHS
Table 3 – Estimated Cumulative Risks and Hazards Using SolarMax Soil Sample Analytical Results
Attachment A – DTSC's Comments and Soil and Dust Exposure Cancer Risk and Health Hazard Calculations

Distribution: (1) Addressee (via e-mail)

REFERENCES

California Department of Toxic Substances Control (DTSC). 2015. Preliminary Endangerment Assessment Guidance Manual. State of California Environmental Protection Agency, Sacramento, California.

Ninyo & Moore, 2020, Human Health Risk Assessment, Proposed Metrolink Train Station Platform, 10 APNs Adjacent to the Riverside Downtown Metrolink Station, Riverside, California, dated May 8.

U.S. Environmental Protection Agency (EPA). 1989. Risk Assessment Guidance for Superfund: Volume I - Human Health Evaluation Manual (Part A). Office of Emergency and Remedial Response. Washington, D.C.

Table 1 – SolarMax Soil Sample Analytical Results - Title 22 Metals

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 6010B/7471A (mg/kg)																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1-0.5	0.5	7/8/2020	ND<2.9	5.0	99	ND<0.49	ND<0.49	15	4.9	37	23	ND<0.14	2.5	8.8	ND<2.9	ND<0.49	ND<2.9	24	58
B1-2	2	7/8/2020	ND<3.2	5.9	88	ND<0.53	ND<0.53	18	6.3	42	18	ND<0.13	2.0	13	ND<3.2	ND<0.53	ND<3.2	29	71
B2-0.5	0.5	7/8/2020	ND<3.0	5.0	120	0.71	ND<0.50	23	9.7	20	7.2	ND<0.12	ND<0.99	17	ND<3.0	ND<0.50	ND<3.0	43	56
B2-2	2	7/8/2020	ND<3.0	5.4	140	0.64	ND<0.50	23	9.5	25	9.7	ND<0.13	ND<1.0	18	ND<3.0	ND<0.50	ND<3.0	43	69
B3-0.5	0.5	7/8/2020	ND<3.0	4.2	110	0.62	ND<0.51	22	9.5	18	20	ND<0.13	ND<1.0	16	ND<3.0	ND<0.51	ND<3.0	46	61
B3-2	2	7/8/2020	ND<3.2	3.7	97	0.57	ND<0.54	19	8.3	15	11	ND<0.13	ND<1.1	15	ND<3.2	ND<0.54	ND<3.2	40	53
Regulatory Screening Levels (mg/kg)																			
EPA RSLs (Industrial Soil)			470*	3.0	220,000*	2,300*	980*	1,800,000*	350*	47,000*	800*	46*	5,800*	22,000*	5,800*	5,800*	12*	5,800*	350,000*
DTSC HERO HHRA (Industrial Soil)			NL	0.36	NL	230*	780*	170,000*	NL	NL	320*	4.4*	NL	11,000*	NL	NL	NL	NL	NL
DTSC Acceptable Clean Up Levels			NA	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

bgs - below ground surface

DTSC Acceptable Clean Up Levels- DTSC's Determination of a Southern California Regional Background Arsenic concentrations in soil (March, 2008)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels (June, 2020)

EPA - United States Environmental Protection Agency

ID - Identification

mg/kg - milligrams per kilogram

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2020)

* non-cancer endpoint

Table 2 – SolarMax Soil Sample Analytical Results - PAHS

Sample ID	Sample Depth (feet bgs)	Date Sample Collected	EPA Method 8270 SIM (µg/kg)																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
B1-0.5	0.5	7/8/2020	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
B1-2	2	7/8/2020	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
B2-0.5	0.5	7/8/2020	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9
B2-2	2	7/8/2020	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
B3-0.5	0.5	7/8/2020	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	12	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
B3-2	2	7/8/2020	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	20	ND<20	ND<20	ND<20	ND<20	ND<20	21	ND<20	ND<20	ND<20	ND<20	23
Regulatory Screening Levels (µg/kg)																				
EPA RSLs (Industrial Soil)			73,000	3,000,000*	45,000,000*	NL	30,000,000	21,000	2,100	2,100	NL	210,000	2,100,000	2,100	30,000,000	30,000,000*	21,000	8,600	NL	23,000,000*
DTSC HERO HHRA (Industrial Soil)			30,000	1,300,000	23,000,000*	NL	30,000,000	12,000	1,300	13,000	NL	130,000	1,300,000	310	18,000,000	17,000,000	13,000	6500	NL	13,000,000*

Notes:

bgs - below ground surface

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels (June, 2020)

EPA - United States Environmental Protection Agency

ID - Identification

NA - not applicable

ND< - not detected above the laboratory reporting limit

NL - not listed

PAHs - polycyclic aromatic hydrocarbons

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2020)

µg/kg - micrograms per kilogram

* non-cancer endpoint

Table 3 – Estimated Cumulative Risks and Hazards Using SolarMax Soil Sample Analytical Results

COPC	Exposure Scenario				
	Worker EPC (mg/kg)	Cancer Risk		Hazard Index	
		Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive Worker
Metals					
Arsenic	5.9	6.E-07	2.E-07	1.E+00	2.E-02
Barium	140	--	--	2.E-02	6.E-05
Beryllium	0.71	1.E-09	1.E-10	8.E-03	5.E-05
Chromium	23	--	--	--	--
Cobalt	9.7	7.E-08	5.E-09	1.E-01	6.E-04
Copper	42	--	--	8.E-04	1.E-05
Molybdenum	2.5	--	--	4.E-04	5.E-06
Nickel	18	4.E-09	3.E-10	7.E-02	2.E-04
Vanadium	46	--	--	3.E-02	2.E-04
Zinc	71	--	--	2.E-04	2.E-06
SVOCs					
Benzo(a)pyrene	0.5	1.E-08	4.E-09	2.E-02	8.E-05
Benzo(g,h,i)perylene	0.012	--	--	8.E-08	9.E-10
Fluoranthene	0.021	--	--	1.E-06	1.E-08
Pyrene	0.023	--	--	2.E-06	2.E-08
Total Risks and Hazards		7.E-07	2.E-07	2.E+00	2.E-02

Notes:

mg/kg - Milligrams per kilogram

Includes Incidental Soil Ingestion, Dermal Contact, and Fugitive Dust Inhalation

EPC: Exposure Point Concentration in milligrams per kilogram used in the risk and hazard calculations

ATTACHMENT A

DTSC's Comments and Soil and Dust Exposure Cancer Risk and Health Hazard Calculations

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

MEMORANDUM

TO: Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Restoration Program – Chatsworth Office

FROM: Riz A. Sarmiento, Ph.D.
Staff Toxicologist
Human and Ecological Risk Office

DATE: September 15, 2020

SUBJECT: ADDENDUM TO THE LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA), 10 APNS ADJACENT TO THE RIVERSIDE DOWNTOWN METROLINK STATION, RIVERSIDE, CALIFORNIA

PCA: 12018 Site: 301760–11

BACKGROUND:

The Human and Ecological Risk Office (HERO) reviewed the above-referenced Addendum dated August 19, 2020 and prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission.

SCOPE OF REVIEW

HERO reviewed the analytical results from the soil samples collected and analyzed for Title 22 metals and for polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8270 SIM. HERO presumes that other regional personnel had approved the number and locations of the samples and the sampling methodologies.

GENERAL COMMENTS

The analytical data show that the metal concentrations in the soil samples are below their corresponding DTSC industrial soil screening levels. An exception is arsenic, which was detected at concentrations ranging from 3.7 milligrams per kilogram (mg/kg) and 5.9 mg/kg. Most of the PAHs were not present at detectable levels except for benzo(a)pyrene, benzo

(g, h, i) perylene, fluoranthene, and benzo (g, h, i) perylene fluoranthene, and pyrene were detected in only one out of six samples; benzo(a)pyrene was detected in two out of six samples. All detected concentrations are below their corresponding DTSC industrial soil screening levels.

HERO recommends that the following minor revisions be incorporated into the document for accuracy:

- Referring to 12 milligrams per kilogram (mg/kg) of arsenic as the DTSC Acceptable Cleanup Level is inaccurate. The concentration of 12 mg/kg is the upper-bound ambient arsenic concentration of data collected from school sites in five counties in Southern California. It is a management decision to either use this concentration to determine that no further evaluation is required or whether further evaluation is necessary by collecting site-specific background samples.
- The cumulative cancer risk and noncancer hazard index should be presented to demonstrate that simultaneous exposures of workers and construction workers to all detected metals and PAHs would not pose a potential health risk.

CONCLUSIONS

HERO concurs that the soil in the SolarMax Property do not require further assessment. However, HERO recommends that, prior to approval of this document, the cumulative screening risk and hazard index be presented to provide a screening health risk assessment demonstrating that there are no potential health risks to workers and construction workers at this property.

HERO notes that the recommendations made in this memorandum are site specific and should not be construed as a policy decision applicable to other sites. If you have additional questions, please contact me at (818) 717-6596 or loveriza.sarmiento@dtsc.ca.gov.

HERO Internal Review: Shukla Roy-Semmen, Ph.D.
Senior Toxicologist
Southern California Unit Chief
Human and Ecological Risk Office, Cypress Office

Shukla Roy-Semmen

Table A-1 – Exposure Parameters for Onsite Receptors Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

Exposure/Site Specific Parameters	Units	Exposure Parameters		
		Construction Worker	Non-Intrusive Worker	Source
Soil Ingestion Rate (IR-S)	mg/day	330	100	HERO 2019
Skin Surface Area (SA)	cm^2/day	6,032	6,032	HERO 2019
Skin Adsorption Factor (ABS)	unitless	chem-specific	chem-specific	DTSC 1994/EPA 1997
Adherence Factor (AF)	mg/cm^2	0.80	0.20	HERO 2019
Fraction of Soil Exposed (FE)	unitless	1	0.01	Site-specific
Inhalation Rate of Air (IR-A)	m^3/day	20	14	HERO 2019
Exposure Frequency (EF)	days/year	60	250	HERO 2019
Exposure Frequency (dermal; EFd)	days/year	60	250	HERO 2019
Exposure Duration (ED)	years	1	25	HERO 2019
Exposure Time (ET)	hours	8	8	HERO 2019
Conversion Factor (CF)	kg/mg	1.0E-06	1.0E-06	--
Body Weight (BW)	kg	80	80	HERO 2019
Averaging Time for Noncarcinogens (AT_n)	days	365	9,125	EPA 1989 (ED*365 days/yr)
Averaging Hours for Noncarcinogens (AT_n)	hours	8,760	219,000	EPA 1989 (ED*365 days/yr)
Averaging Time for Carcinogens (AT_c)	days	25,550	25,550	EPA 1989
Averaging Hours for Carcinogens (AT_c)	hours	613,200	613,200	EPA 1989

Table A-2 – Toxicity Criteria of Chemicals of Potential Concern Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

Chemical	Chronic Oral Reference Dose (RfDo)	Inhalation Reference Concentration (RfCi)	Oral Cancer Slope Factor (CSFo)	Inhalation Unit Risk (IUR)
	[mg/kg-day]	[ug/m^3]	$[mg/kg\text{-}day]^{-1}$	$[ug/m^3]^{-1}$
Metals				
Arsenic	3.5E-06	1.5E-02	9.5E+00	4.3E-03
Barium	2.0E-01	5.0E-01	NA	NA
Beryllium	2.0E-04	7.0E-03	NA	2.4E-03
Chromium	NA	NA	NA	NA
Cobalt	3.0E-04	6.0E-03	NA	9.0E-03
Copper	4.0E-02	NA	NA	NA
Molybdenum	5.0E-03	NA	NA	NA
Nickel	1.1E-02	1.4E-02	NA	2.6E-04
Vanadium	5.0E-03	1.0E-01	NA	NA
Zinc	3.0E-01	NA	NA	NA
SVOCs				
Benzo(a)pyrene	3.0E-04	2.0E-03	1.0E+00	1.1E-03
Benzo(g,h,i)perylene	3.0E-01	1.2E+03	NA	NA
Fluoranthene	4.0E-02	NA	NA	NA
Pyrene	3.0E-02	1.2E+02	NA	NA

Notes:
Values taken from HHRA Note No. 10, 2019

Table A-3 – Health Hazards from Incidental Soil Ingestion Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Concentration	Oral Reference Dose	Worker Exposure Scenario			
			Average Daily Intake (mg/kg-d)		Hazard Quotient (Unitless)	
	(mg/kg)	(mg/kg-d)	Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals						
Arsenic	5.9	3.5E-06	4.0E-06	5.1E-08	1.1E+00	1.4E-02
Barium	140	2.0E-01	9.5E-05	1.2E-06	4.7E-04	6.0E-06
Beryllium	0.71	2.0E-04	4.8E-07	6.1E-09	2.4E-03	3.0E-05
Chromium	23	NA	1.6E-05	2.0E-07	NA	NA
Cobalt	9.7	3.0E-04	6.6E-06	8.3E-08	2.2E-02	2.8E-04
Copper	42	4.0E-02	2.8E-05	3.6E-07	7.1E-04	9.0E-06
Molybdenum	2.5	5.0E-03	1.7E-06	2.1E-08	3.4E-04	4.3E-06
Nickel	18	1.1E-02	1.2E-05	1.5E-07	1.1E-03	1.4E-05
Vanadium	46	5.0E-03	3.1E-05	3.9E-07	6.2E-03	7.8E-05
Zinc	71	3.0E-01	4.8E-05	6.1E-07	1.6E-04	2.0E-06
SVOCs						
Benzo(a)pyrene	0.5	3.0E-04	3.4E-07	4.3E-09	1.1E-03	1.4E-05
Benzo(g,h,i)perylene	0.012	3.0E-01	8.1E-09	1.0E-10	2.7E-08	3.4E-10
Fluoranthene	0.021	4.0E-02	1.4E-08	1.8E-10	3.6E-07	4.5E-09
Pyrene	0.023	3.0E-02	1.6E-08	2.0E-10	5.2E-07	6.6E-09
Total Hazard Index					1.2E+00	1.5E-02

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * IR-iw * FE * EFiw * EDiw * CF) / (BWiw * $AT_{noncancer}$))

Non-Intrusive Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * IR-Scw * FE * EFcw * EDcw * CF) / (BWcw * $AT_{noncancer}$))

Noncancer Hazard = ($INTAKE_{noncancer}$ / RfD)

Table A-4 – Health Hazards from Dermal Contact with Soil Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Concentration	Soil-to-Skin Absorption Factor	Oral/Dermal Reference Dose	Worker Exposure Scenario			
				Average Daily Intake (mg/kg-d)		Hazard Quotient (Unitless)	
	(mg/kg)	(unitless)	(mg/kg-d)	Construction Worker	Non-Intrusive Worker	Construction Worker	Non-Intrusive Worker
Metals							
Arsenic	5.9	0.01	3.5E-06	5.9E-07	6.1E-09	1.7E-01	1.7E-03
Barium	140	0.01	2.0E-01	1.4E-05	1.4E-07	6.9E-05	7.2E-07
Beryllium	0.71	0.01	2.0E-04	7.0E-08	7.3E-10	3.5E-04	3.7E-06
Chromium	23	0.001	NA	2.3E-07	2.4E-09	NA	NA
Cobalt	9.7	0.01	3.0E-04	9.6E-07	1.0E-08	3.2E-03	3.3E-05
Copper	42	0.01	4.0E-02	4.2E-06	4.3E-08	1.0E-04	1.1E-06
Molybdenum	2.5	0.01	5.0E-03	2.5E-07	2.6E-09	5.0E-05	5.2E-07
Nickel	18	0.01	1.1E-02	1.8E-06	1.9E-08	1.6E-04	1.7E-06
Vanadium	46	0.01	5.0E-03	4.6E-06	4.8E-08	9.0E-04	9.4E-06
Zinc	71	0.01	3.0E-01	7.0E-06	7.3E-08	2.3E-05	2.4E-07
SVOCs							
Benzo(a)pyrene	0.5	0.13	3.0E-04	6.4E-07	6.7E-09	2.1E-03	2.2E-05
Benzo(g,h,i)perylene	0.012	0.13	3.0E-01	1.5E-08	1.6E-10	5.2E-08	5.4E-10
Fluoranthene	0.021	0.13	4.0E-02	2.7E-08	2.8E-10	6.8E-07	7.0E-09
Pyrene	0.023	0.13	3.0E-02	3.0E-08	3.1E-10	9.9E-07	1.0E-08
Total Hazard Index						1.7E-01	1.8E-03

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * SAiw * AFiw * ABS * FE * EFiw * EDiw * CF) / (BWiw * $AT_{noncancer}$))

Non-Intrusive Worker $INTAKE_{noncancer}$ (mg/kg-day) = ((CS * SAcw * AFcw * ABS * FE * EFcw * EDcw * CF) / (BWcw * $AT_{noncancer}$))

Noncancer Hazard = ($INTAKE_{noncancer}$ / RfD)

Table A-5 – Health Hazards from Inhalation of Outdoor Air Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Concentration	Inhalation Reference Concentration[a]	Worker Exposure Scenario			
			Average Daily Intake (ug/m^3)		Hazard Quotient (Unitless)	
	(mg/kg)	(ug/m^3)	Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals						
Arsenic	5.9	1.5E-02	3.2E-04	1.0E-06	2.2E-02	6.8E-05
Barium	140	5.0E-01	7.7E-03	2.4E-05	1.5E-02	4.9E-05
Beryllium	0.71	7.0E-03	3.9E-05	1.2E-07	5.6E-03	1.8E-05
Chromium	23	NA	1.3E-03	4.0E-06	NA	NA
Cobalt	9.7	6.0E-03	5.3E-04	1.7E-06	8.9E-02	2.8E-04
Copper	42	NA	2.3E-03	7.3E-06	NA	NA
Molybdenum	2.5	NA	1.4E-04	4.3E-07	NA	NA
Nickel	18	1.4E-02	9.9E-04	3.1E-06	7.0E-02	2.2E-04
Vanadium	46	1.0E-01	2.5E-03	8.0E-06	2.5E-02	8.0E-05
Zinc	71	NA	3.9E-03	1.2E-05	NA	NA
SVOCs						
Benzo(a)pyrene	0.5	2.0E-03	2.7E-05	8.7E-08	1.4E-02	4.3E-05
Benzo(g,h,i)perylene	0.012	1.2E+03	6.6E-07	2.1E-09	5.5E-10	1.7E-12
Fluoranthene	0.021	NA	1.2E-06	3.6E-09	NA	NA
Pyrene	0.023	1.2E+02	1.3E-06	4.0E-09	1.1E-08	3.3E-11
Total Hazard Index					2.4E-01	7.6E-04

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Intake Equations:

Intake (ug/m^3) = (CS * ET * EF * ED) / (VF * $AT_{noncancer}$))

Noncancer Hazard = ($INTAKE_{noncancer}$ / RfC)

Table A-6 – Cumulative Health Hazards from Multipathway Soil Exposure Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Conc.	Worker Exposure Scenario							
		Construction Worker				Non-Intrusive Worker			
	(mg/kg)	Ingestion	Dermal	Inhalation	Total HI	Ingestion	Dermal	Inhalation	Total HI
Metals									
Arsenic	5.9	1.1E+00	1.7E-01	2.2E-02	1.3E+00	1.4E-02	1.7E-03	6.8E-05	1.6E-02
Barium	140	4.7E-04	6.9E-05	1.5E-02	1.6E-02	6.0E-06	7.2E-07	4.9E-05	5.5E-05
Beryllium	0.71	2.4E-03	3.5E-04	5.6E-03	8.3E-03	3.0E-05	3.7E-06	1.8E-05	5.2E-05
Chromium	23	NA	NA	NA	--	NA	NA	NA	--
Cobalt	9.7	2.2E-02	3.2E-03	8.9E-02	1.1E-01	2.8E-04	3.3E-05	2.8E-04	5.9E-04
Copper	42	7.1E-04	1.0E-04	NA	8.2E-04	9.0E-06	1.1E-06	NA	1.0E-05
Molybdenum	2.5	3.4E-04	5.0E-05	NA	3.9E-04	4.3E-06	5.2E-07	NA	4.8E-06
Nickel	18	1.1E-03	1.6E-04	7.0E-02	7.2E-02	1.4E-05	1.7E-06	2.2E-04	2.4E-04
Vanadium	46	6.2E-03	9.0E-04	2.5E-02	3.2E-02	7.8E-05	9.4E-06	8.0E-05	1.7E-04
Zinc	71	1.6E-04	2.3E-05	NA	1.8E-04	2.0E-06	2.4E-07	NA	2.3E-06
SVOCs									
Benzo(a)pyrene	0.5	1.1E-03	2.1E-03	1.4E-02	1.7E-02	1.4E-05	2.2E-05	4.3E-05	8.0E-05
Benzo(g,h,i)perylene	0.012	2.7E-08	5.2E-08	5.5E-10	7.9E-08	3.4E-10	5.4E-10	1.7E-12	8.8E-10
Fluoranthene	0.021	3.6E-07	6.8E-07	NA	1.0E-06	4.5E-09	7.0E-09	NA	1.2E-08
Pyrene	0.023	5.2E-07	9.9E-07	1.1E-08	1.5E-06	6.6E-09	1.0E-08	3.3E-11	1.7E-08
Total Hazard Index					1.6E+00				1.7E-02

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Table A-7 – Cancer Risks from Incidental Soil Ingestion Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Concentration	Oral Slope Factor	Worker Exposure Scenario			
			Average Daily Intake (mg/kg-d)		Cancer Risk (Unitless)	
	(mg/kg)	$(mg/kg\text{-}d)^{-1}$	Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals						
Arsenic	5.9	9.5E+00	5.7E-08	1.8E-08	5.4E-07	1.7E-07
Barium	140	NA	1.4E-06	4.3E-07	NA	NA
Beryllium	0.71	NA	6.9E-09	2.2E-09	NA	NA
Chromium	23	NA	2.2E-07	7.0E-08	NA	NA
Cobalt	9.7	NA	9.4E-08	3.0E-08	NA	NA
Copper	42	NA	4.1E-07	1.3E-07	NA	NA
Molybdenum	2.5	NA	2.4E-08	7.6E-09	NA	NA
Nickel	18	NA	1.7E-07	5.5E-08	NA	NA
Vanadium	46	NA	4.5E-07	1.4E-07	NA	NA
Zinc	71	NA	6.9E-07	2.2E-07	NA	NA
SVOCs						
Benzo(a)pyrene	0.5	1.0E+00	4.8E-09	1.5E-09	4.8E-09	1.5E-09
Benzo(g,h,i)perylene	0.012	NA	1.2E-10	3.7E-11	NA	NA
Fluoranthene	0.021	NA	2.0E-10	6.4E-11	NA	NA
Pyrene	0.023	NA	2.2E-10	7.0E-11	NA	NA
Total Cancer Risk					5.5E-07	1.7E-07

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * IR-Siw * FE * EFiw * Ediw * CF) / (BWiw * AT_{cancer}))

Non-Intrusive Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * IR-Scw * FE * EFcw * EDcw * CF) / (BW_{cw} * AT_{cancer}))

Cancer Risk = ($INTAKE_{cancer}$ * CSF)

Table A-8 – Cancer Risks from Dermal Contact with Soil Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Concentration	Soil-to-Skin Absorption Factor	Oral/Dermal Slope Factor	Worker Exposure Scenario			
				Average Daily Intake (mg/kg-d)		Cancer Risk (Unitless)	
	(mg/kg)	(unitless)	$(mg/kg\text{-}d)^{-1}$	Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals							
Arsenic	5.9	0.01	9.5E+00	8.4E-09	2.2E-09	7.9E-08	2.1E-08
Barium	140	0.01	NA	2.0E-07	5.2E-08	NA	NA
Beryllium	0.71	0.01	NA	1.0E-09	2.6E-10	NA	NA
Chromium	23	0.001	NA	3.3E-09	8.5E-10	NA	NA
Cobalt	9.7	0.01	NA	1.4E-08	3.6E-09	NA	NA
Copper	42	0.01	NA	5.9E-08	1.5E-08	NA	NA
Molybdenum	2.5	0.01	NA	3.5E-09	9.2E-10	NA	NA
Nickel	18	0.01	NA	2.5E-08	6.6E-09	NA	NA
Vanadium	46	0.01	NA	6.5E-08	1.7E-08	NA	NA
Zinc	71	0.01	NA	1.0E-07	2.6E-08	NA	NA
SVOCs							
Benzo(a)pyrene	0.5	0.13	1.0E+00	9.2E-09	2.4E-09	9.2E-09	2.4E-09
Benzo(g,h,i)perylene	0.012	0.13	NA	2.2E-10	5.8E-11	NA	NA
Fluoranthene	0.021	0.13	NA	3.9E-10	1.0E-10	NA	NA
Pyrene	0.023	0.13	NA	4.2E-10	1.1E-10	NA	NA
Total Cancer Risk						8.9E-08	2.3E-08

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Equations:

Construction Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * SAiw * AFiw * ABS * FE * EFiw * EDiw * CF) / (BWiw * AT_{cancer}))

Non-Intrusive Worker $INTAKE_{cancer}$ (mg/kg-day) = ((CS * SAcw * AFcw * ABS * FE * EFcw * EDcw * CF) / (BWcw * AT_{cancer}))

Cancer Risk = ($INTAKE_{cancer}$ * CSF)

Table A-9 – Cancer Risks from Inhalation of Outdoor Air Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Concentration	Inhalation Unit Risk	Worker Exposure Scenario			
			Average Daily Intake (ug/m^3)		Cancer Risk (Unitless)	
	(mg/kg)	$(ug/m^3)^{-1}$	Construction Worker	Non-Intrusive Workers	Construction Worker	Non-Intrusive Workers
Metals						
Arsenic	5.9	4.3E-03	4.6E-06	3.7E-07	2.0E-08	1.6E-09
Barium	140	NA	1.1E-04	8.7E-06	NA	NA
Beryllium	0.71	2.4E-03	5.6E-07	4.4E-08	1.3E-09	1.1E-10
Chromium	23	NA	1.8E-05	1.4E-06	NA	NA
Cobalt	9.7	9.0E-03	7.6E-06	6.0E-07	6.8E-08	5.4E-09
Copper	42	NA	3.3E-05	2.6E-06	NA	NA
Molybdenum	2.5	NA	2.0E-06	1.5E-07	NA	NA
Nickel	18	2.6E-04	1.4E-05	1.1E-06	3.7E-09	2.9E-10
Vanadium	46	NA	3.6E-05	2.9E-06	NA	NA
Zinc	71	NA	5.6E-05	4.4E-06	NA	NA
SVOCs						
Benzo(a)pyrene	0.5	1.1E-03	3.9E-07	3.1E-08	4.3E-10	3.4E-11
Benzo(g,h,i)perylene	0.012	NA	9.4E-09	7.4E-10	NA	NA
Fluoranthene	0.021	NA	1.6E-08	1.3E-09	NA	NA
Pyrene	0.023	NA	1.8E-08	1.4E-09	NA	NA
Total Cancer Risk					9.4E-08	7.4E-09

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

Intake Equations:

VOC Exposure Concentratic $INTAKE_{cancer}$ (mg/kg-day) = (CS * EFiw * EDiw * (1/PEF) * IR-Aiw) / (BWiw * AT_{cancer}))

Cancer Risk = ($INTAKE_{cance}$ $INTAKE_{cancer}$ (mg/kg-day) = (CS * EFcw * EDcw * (1/PEF) * IR-Acw) / (BWcw * AT_{cancer}))

PEF Construction Worker m^3/kg 1.00E+06

Table A-10 – Cumulative Cancer Risks from Multipathway Soil Exposure Using Soil Data from Addendum to the Limited Phase II Environmental Site Assessment

COPC	Exposure Point Conc. (mg/kg)	Worker Exposure Scenario							
		Construction Worker				Non-Intrusive Worker			
		Ingestion	Dermal	Inhalation	Total Risk	Ingestion	Dermal	Inhalation	Total Risk
Metals									
Arsenic	5.9	5.4E-07	7.9E-08	2.0E-08	6.4E-07	1.7E-07	2.1E-08	1.6E-09	1.9E-07
Barium	140	NA	NA	NA	--	NA	NA	NA	--
Beryllium	0.71	NA	NA	1.3E-09	1.3E-09	NA	NA	1.1E-10	1.1E-10
Chromium	23	NA	NA	NA	--	NA	NA	NA	--
Cobalt	9.7	NA	NA	6.8E-08	6.8E-08	NA	NA	5.4E-09	5.4E-09
Copper	42	NA	NA	NA	--	NA	NA	NA	--
Molybdenum	2.5	NA	NA	NA	--	NA	NA	NA	--
Nickel	18	NA	NA	3.7E-09	3.7E-09	NA	NA	2.9E-10	2.9E-10
Vanadium	46	NA	NA	NA	--	NA	NA	NA	--
Zinc	71	NA	NA	NA	--	NA	NA	NA	--
SVOCs									
Benzo(a)pyrene	0.5	4.8E-09	9.2E-09	4.3E-10	1.4E-08	1.5E-09	2.4E-09	3.4E-11	4.0E-09
Benzo(g,h,i)perylene	0.012	NA	NA	NA	--	NA	NA	NA	--
Fluoranthene	0.021	NA	NA	NA	--	NA	NA	NA	--
Pyrene	0.023	NA	NA	NA	--	NA	NA	NA	--
Total Cancer Risk					7.3E-07				2.0E-07

Notes: "nd" not detected; "--" not applicable or not available; " * " chemical not a COPC for combined soil

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Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

November 06, 2020

Hector Casillas
Riverside County Transportation Commission
4080 Lemon Street, 3rd Floor
Riverside, California 92501

APPROVAL OF ADDENDUM AND HUMAN HEALTH RISK ASSESSMENT FOR ADDENDUM TO LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT, 10 APNS ADJACENT TO THE RIVERSIDE DOWNTOWN METROLINK STATION, RIVERSIDE, CALIFORNIA, FOR THE ADJOINING SOLARMAX PROPERTY, 3080 12TH STREET RIVERSIDE, CALIFORNIA 92502 (SITE CODE: 401863)

Dear Mr. Casillas:

The Department of Toxic Substances Control (DTSC) has reviewed the Addendum (Addendum) dated August 2020 and Human Health Risk Assessment (HHRA) for Addendum dated September 2020 to Limited Phase II Environmental Site Assessment, prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission (RCTC) for the above referenced site (Site).

The Site is adjacent to the ten parcels adjoining to Riverside Downtown Metrolink Station in Riverside, California. RCTC proposes to purchase these properties and develop them into a parking lot as a part of the Riverside Downtown Metrolink Station project. DTSC earlier commented on Addendum on September 15, 2020 and November 3, 2020.

The Addendum presents the methodology, environmental sampling of subsurface soils and chemical analysis for the portion of the SolarMax Property. The purpose of sampling is to evaluate the concentrations of Title 22 Metals and polycyclic aromatic hydrocarbons (PAHs) in the subsurface soils beneath the Site. HHRA presents risk evaluation to assess whether the metals and PAHs detected in soil could pose a health threat to future construction workers and/or maintenance workers at the Site. Soil analytical data used in the evaluation was collected by Ninyo & Moore as part of the referenced Addendum.

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Based on the review of the Addendum and HHRA, DTSC noted that comments and concerns are adequately addressed and hereby approves the Addendum and HHRA. Enclosed please find the memorandum from Riz A. Sarmiento, Ph.D., the Project Toxicologist.

Should you have any questions, please contact me at (818) 717-6552 or e-mail at Chand.sultana@dtsc.ca.gov or Riz A. Sarmiento at (818) 717-6596 or e-mail at loveriza.sarmiento@dtsc.ca.gov.

Sincerely,

Chand Sultana, Ph.D., M.B.A.
Project Manager
Site Mitigation & Restoration Program - Chatsworth Office

Enclosure

cc: John Jay Roberts, PG, CEG (via e-mail)
Principal Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200
Irvine, California 92618

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
9211 Oakdale Avenue
Chatsworth, California 91311

Gavin Newsom
Governor

MEMORANDUM

TO: Chand Sultana, Ph.D.
Project Manager
Site Mitigation and Restoration Program – Chatsworth Office

FROM: Riz A. Sarmiento, Ph.D.
Staff Toxicologist
Human and Ecological Risk Office

DATE: November 3, 2020

SUBJECT: RESPONSES TO COMMENTS AND REVISED ADDENDUM TO THE LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA), SOLARMAX PROPERTY, RIVERSIDE, CALIFORNIA

PCA: 12018 Site: 401863 –11 MPC: SSIR

BACKGROUND:
The Human and Ecological Risk Office (HERO) reviewed the responses to HERO's comments that were provided on September 15, 2020, and the above-referenced revised document. The report was prepared by Ninyo & Moore on behalf of the Riverside County Transportation Commission.

COMMENTS AND CONCLUSIONS
The revised document addressed HERO's comments and the revised Addendum to the Limited Phase II ESA is acceptable. The results show that the cumulative cancer risks associated with potential soil exposures of a non-intrusive worker and a construction worker are 2E-07 and 7E-07, respectively. Therefore, the cancer risk estimates show that soil exposures of workers at the site are below the *de minimis* levels of 1E-06.

The cumulative hazard indices due to soil exposures of a non-intrusive worker and a construction worker are 0.017 and 1.6, respectively. The exceedance of the threshold level

of one is due to the arsenic concentration of six milligrams per kilogram (mg/kg), which is the highest detected concentration at the site. Based on the conservative nature of the evaluation, HERO recommends no further action at the SolarMax property.

HERO notes that the recommendations made in this memorandum are site specific and should not be construed as a policy decision applicable to other sites. If you have additional questions, please contact me at (818) 717-6596 or loveriza.sarmiento@dtsc.ca.gov.

HERO Internal Review: Shukla Roy-Semmen, Ph.D.
Senior Toxicologist
Southern California Unit Chief
Human and Ecological Risk Office, Cypress Office

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL

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For additional information and listing of sites, please refer to the California Environmental Protection A ency's Cortese web pa es

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		I E / FACILI Y AME	ESTOR / EPA ID	PROGRAM TYPE	TATUS	ADDRE S DE CRIPTION	CITY	ZIP	CALENVIROSCREEN SCORE	COU Y
[REPORT]	[MAP]	AEROJET GENERAL CORPORATION	34370002	FEDERAL SUPERFUND - LISTED	ACTIVE - LAND USE RESTRICTIONS	HIGHWAY 50 AND AEROJET ROAD	RANCHO CORDOVA	95670	46-50%	SACRAMENTO
[REPORT]	[MAP]	PURITY OIL SALES - DELTA GUNITE	34170001	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	WHITE ROCK ROAD & KILGORE ROAD	RANCHO CORDOVA	95670	36-40%	SACRAMENTO
[REPORT]	[MAP]	POINT VICENTE	19970023	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	PALOS VERDES DR. AND HAWTHORNE BLVD.,	RANCHO PALOS VER	90275	1-5%	LOS ANGELES
[REPORT]	[MAP]	IRON MOUNTAIN MINE	45100001	FEDERAL SUPERFUND - LISTED	ACTIVE	OFF HWY 299 - 9 MI NW OF REDDING	REDDING	96001	36-40%	SHASTA
[REPORT]	[MAP]	FOLSOM PRISON	34920001	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	N OF FOLSOM CITY; ADJ TO AMERICAN RIVER	REPRESA	95671	NA	SACRAMENTO
[REPORT]	[MAP]	FMC CORPORATION - RICHMOND	07280011	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	855 PARR BLVD	RICHMOND	94801	76-80%	CONTRA COSTA
[REPORT]	[MAP]	FASS METALS	07330030	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	818 W. GERTRUDE AVENUE	RICHMOND	94801	91-95%	CONTRA COSTA
[REPORT]	[MAP]	DREW SALES	07500035	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	1156 CASTRO STREET	RICHMOND	94804	66-70%	CONTRA COSTA
[REPORT]	[MAP]	HARBOUR WAY SOUTH	07340024	STATE RESPONSE	ACTIVE	738 HARBOUR WAY SOUTH	RICHMOND	94804	81-85%	CONTRA COSTA
[REPORT]	[MAP]	PORT OF RICHMOND (SHIPYARD #3)	07370030	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	1312 CANAL BLVD	RICHMOND	94804	66-70%	CONTRA COSTA
[REPORT]	[MAP]	REACTION PRODUCTS	07280013	STATE RESPONSE	ACTIVE	840 MORTON AVENUE	RICHMOND	94806	76-80%	CONTRA COSTA
[REPORT]	[MAP]	ELECTRO FORMING CO. - RICHMOND	01330044	STATE RESPONSE	ACTIVE	130 NEVIN AVENUE	RICHMOND	94801	91-95%	CONTRA COSTA
[REPORT]	[MAP]	ZENECA RICHMOND AG PRODUCTS	07280002	STATE RESPONSE	ACTIVE - LAND USE RESTRICTIONS	1415 SOUTH 47TH STREET	RICHMOND	94804	81-85%	CONTRA COSTA
[REPORT]	[MAP]	LIQUID GOLD OIL CORP	07290039	FEDERAL SUPERFUND - DELISTED	ACTIVE - LAND USE RESTRICTIONS	HOFFMAN BLVD & S 47TH ST	RICHMOND	94804	81-85%	CONTRA COSTA
[REPORT]	[MAP]	UNIVERSITY OF CALIFORNIA, RICHMOND SE	07730003	STATE RESPONSE	ACTIVE	1301 SOUTH 46TH STREET	RICHMOND	94804	81-85%	CONTRA COSTA
[REPORT]	[MAP]	RICHMOND TOWNHOUSE APARTMENTS	07990005	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	2887 AND 2989 PULLMAN AVENUE	RICHMOND	94804	81-85%	CONTRA COSTA
[REPORT]	[MAP]	UNITED HECKATHORN	07280015	FEDERAL SUPERFUND - LISTED	ACTIVE - LAND USE RESTRICTIONS	8TH & WRIGHT	RICHMOND	94804	66-70%	CONTRA COSTA
[REPORT]	[MAP]	BLAIR SOUTHERN PACIFIC LANDFILL	07490012	STATE RESPONSE	ACTIVE	AT THE FOOT OF SOUTH 51ST STREET	RICHMOND	94804	81-85%	CONTRA COSTA
[REPORT]	[MAP]	COOPER CHEMICAL	07280154	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	2801 GIANT ROAD	RICHMOND	94806	76-80%	CONTRA COSTA
[REPORT]	[MAP]	CP ANZA (J09CA0267)	33970009	STATE RESPONSE	ACTIVE	ARLANZA DISTRICT	RIVERSIDE	92505	91-95%	RIVERSIDE
[REPORT]	[MAP]	ALARK HARD CHROME	33340002	FEDERAL SUPERFUND - LISTED	ACTIVE	2775 MAIN STREET	RIVERSIDE	92501	96-100%	RIVERSIDE
[REPORT]	[MAP]	STRINGFELLOW HAZARDOUS WASTE SITE ◆ PLANT OPERATION AND MONITORING	60002365	FEDERAL SUPERFUND - LISTED	CERTIFIED / OPERATION & MAINTENANCE	3450 PYRITE STREET	RIVERSIDE	92509	96-100%	RIVERSIDE
[REPORT]	[MAP]	STRINGFELLOW HAZARDOUS WASTE SITE - PLUME CHARACTERIZATION AND MONITORING	33490001	FEDERAL SUPERFUND - LISTED	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	3450 PYRITE STREET	RIVERSIDE	92509	96-100%	RIVERSIDE
[REPORT]	[MAP]	PALOS VERDES LANDFILL	19490181	STATE RESPONSE	CERTIFIED / OPERATION & MAINTENANCE - LAND USE RESTRICTIONS	25706 HAWTHORNE BLVD.	ROLLING HILLS ESTATES	90274	1-5%	LOS ANGELES
[REPORT]	[MAP]	AVENUE A UNAUTHORIZED DISPOSAL SITE	15490015	STATE RESPONSE	ACTIVE	AVENUE A 1-1/2 MILE EAST HIGHWAY 14	ROSAMOND	93560	56-60%	KERN
[REPORT]	[MAP]	BRIDGES AND SON TRUCKING	15280037	STATE RESPONSE	ACTIVE	1200 ORANGE AVENUE	ROSAMOND	93560	61-65%	KERN

Note: Of the four sites listed on the EnviroStor Cortese List, none of the sites are within or adjacent to the project area.

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL

ENVIROSTOR

Tools Reports Community Involvement How to Use EnviroStor ESI DTSC Web

PROJECT SEARCH RESULTS

STATUS: All Statuses GO

SEARCH CRITERIA: 92507

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		SITE / FACILITY NAME	ESTOR / EPA ID	PROGRAM TYPE	STATUS	ADDRESS DESCRIPTION	CITY	ZIP	CALENVIROSCREEN SCORE	COUNTY
[REPORT]	[MAP]	AC HOFFMAN ENGINEERING	71003801	TIERED PERMIT	INACTIVE - NEEDS EVALUATION	902 COLUMBIA AVE	RIVERSI E	92 07	96-100%	RIVERSIDE
[REPORT]	[MAP]	ALCAN, INC.	60000212	EVALUATION	REFER: RWQCB	3016 KANSAS AV	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	ALUMAX MILL PRODUCTS	60000213	EVALUATION	INACTIVE - NEEDS EVALUATION	1495 COLUMBIA AVE	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	ALUMAX MILL PRODUCTS, INC.	71002525	TIERED PERMIT	INACTIVE - NEEDS EVALUATION	1495 COLUMBIA AVENUE	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	BOURNS INC	80001537	CORRECTIVE ACTION	NO ACTION REQUIRED	1200 COLUMBIA AVE	RIVERSI E	925070000	96-100%	RIVERSIDE
[REPORT]	[MAP]	BOURNS INC	CAD008255754	HAZ WASTE - RCRA	CLOSED	1200 COLUMBIA AVE	RIVERSI E	925070000	96-100%	RIVERSIDE
[REPORT]	[MAP]	CALIFORNIA SPRAY CHEMICAL COMPANY	60000214	EVALUATION	INACTIVE - NEEDS EVALUATION	3530 CHICAGO AV	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	CLARA BARTON SCHOOL (AKA HELEN KELLER)	33010084	SCHOOL EVALUATION	NO FURTHER ACTION	EAST SPRING STREET/MT. VERNON AVENUE	RIVERSI E	92507	86-90%	RIVERSIDE
[REPORT]	[MAP]	EASTSIDE ELEMENTARY SCHOOL	33000044	SCHOOL EVALUATION	INACTIVE - NEEDS EVALUATION	UNIVERSITY AVENUE/OTTAWA AVENUE	RIVERSI E	92507	86-90%	RIVERSIDE
[REPORT]	[MAP]	FAIRFIELD CHEMICALS INTERSECTION OF	60000221	EVALUATION	ACTIVE	3080 12TH ST	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]		IOWA AND COLUMBIA	33000007	EVALUATION	REFER: 1248 LOCAL AGENCY	IOWA AND COLUMBIA	RIVERSI E	92507		RIVERSIDE
[REPORT]	[MAP]	LONGFELLOW ELEMENTARY SCHOOL	60002955	SCHOOL EVALUATION	ACTIVE	3610 EUCALYPTUS AVENUE	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	MCKESSON CHEMICAL COMPANY	60000207	EVALUATION	INACTIVE - NEEDS EVALUATION	1575 MARLBOROUGH	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	RIVERSIDE DOWNTOWN TRAIN STATION	60002763	VOLUNTARY CLEANUP	ACTIVE	STREET, 3010 11T STREET, 3009, 3021, 3075 AND 3087 10TH STREET	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	RIVERSIDE FERTILIZER WORKS	60000208	EVALUATION	INACTIVE - NEEDS EVALUATION	2622 3RD ST	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	RIVERSIDE OLDCASTLE PRECAST/FOUNDRY (FORMER)	33330009	VOLUNTARY CLEANUP	NO FURTHER ACTION	1326 CITRUS STREET	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	RIVERSIDE SCRAP IRON & METAL CORP.	60002350	VOLUNTARY CLEANUP	ACTIVE	2993 SIXTH STREET	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	RIVERSIDE USD-WATKINS STEM HIGH SCHOOL	60002583	SCHOOL EVALUATION	NO FURTHER ACTION	SW CORNER OF WATKINS DR. AN VALENCIA HILL DR.	RIVERSI E	92507	91-95%	RIVERSIDE
[REPORT]	[MAP]	SO CAL GAS/RIVERSIDE MGP	33490085	VOLUNTARY CLEANUP	LAND USE RESTRICTIONS ONLY - LAND USE RESTRICTIONS	10TH STREET AN HOWARD	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]	[MAP]	THERMOCLAD COMPANY	60000209	EVALUATION	INACTIVE - NEEDS EVALUATION	1541 7TH ST	RIVERSI E	92507	96-100%	RIVERSIDE
[REPORT]		VALERION CORPORATION	33280139	HISTORICAL	REFER: OTHER AGENCY	2280 IOWA AVENUE	RIVERSI E	92507	71-75%	RIVERSIDE
[REPORT]	[MAP]	WEILAND & COMPANY	60000227	EVALUATION	INACTIVE - NEEDS EVALUATION	3491 COMMERCE	RIVERSI E	92507	96-100%	RIVERSIDE

Note: DTSC EnviroStor sites highlighted in red are within or adjacent to the project study area. Discussion of these sites is included in Chapter 3.8

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